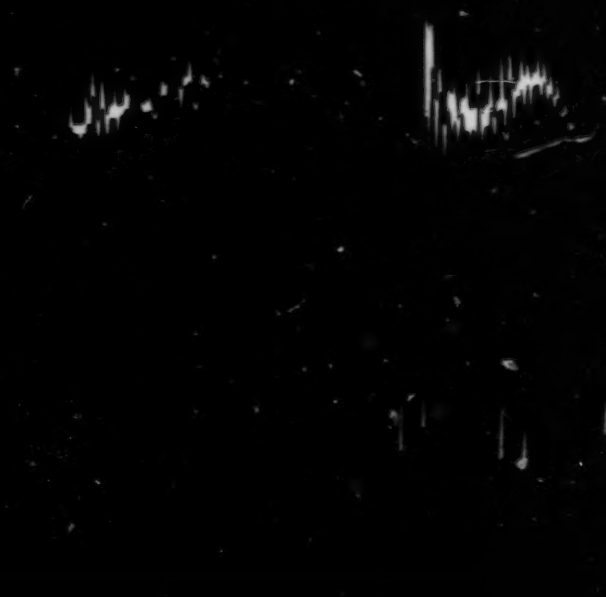
# Detailed Surface Water Quality Data

# Donnees detaillees sur la qualite des eaux de surface

## Northwest Territories
## Territoires du Nord-Ouest

## 1980-1981



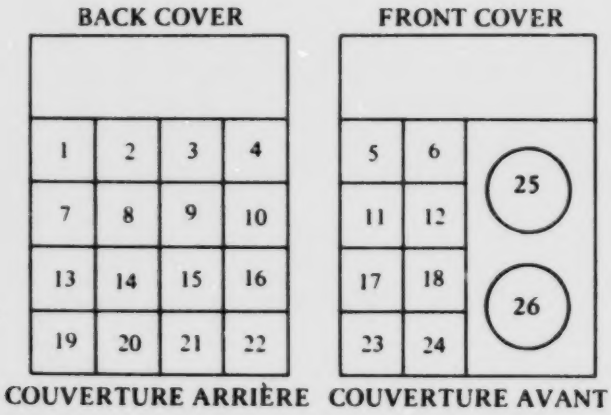
85-0066/

The patterns used to illustrate the cover of this publication are typical of the forms in which results are obtained from the instruments used in Water Quality Branch laboratories. The instruments which produced these patterns are only a few of the many instruments in regular use. The list below and the diagram can be used to identify the instruments which produced the patterns:

Auto Analyser: 2, 5, 10, 12, 19, 22
Calibration Curves, Auto Analyser: 23
Polarograph: 1, 6, 11, 21
Gas Chromatograph: 3, 8, 9, 13, 14, 16, 18, 20, 24
Infrared Spectrophotometer: 4, 17
Mass Spectrometer: 7, 15
Computer: 25, 26

Les dessins de la page couverture illustrent la forme sous laquelle on recueille les données obtenues par les appareils des laboratoires de la Direction de la qualité des eaux. Les appareils en question ne représentent qu'une partie de tous ceux qui sont couramment utilisés. La liste qui suit et le schéma peuvent servir à les identifier.

Auto-analyseur: 2, 5, 10, 12, 19, 22
Courbes d'étalonnage d'auto-analyseur: 23
Polarographe: 1, 6, 11, 21
Chromatographe en phase gazeuse: 3, 8, 9, 13, 14, 16, 18, 20, 24
Spectrophotomètre infrarouge: 4, 17
Spectromètre de masse: 7, 15
Ordinateur: 25, 26




COUVERTURE ARRIÈRE COUVERTURE AVANT

Environment Canada | Environnement Canada

# Detailed Surface Water Quality Data

# Données détaillées sur la qualité des eaux de surface

## Northwest Territories
## Territoires du Nord-Ouest

## 1980-1981

*INLAND WATERS DIRECTORATE*
*WESTERN AND NORTHERN REGION*
*WATER QUALITY BRANCH*
*YELLOWKNIFE, N.W.T., 1984*

*DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES*
*RÉGION DE L'OUEST ET DU NORD*
*DIRECTION DE LA QUALITÉ DES EAUX*
*YELLOWKNIFE (T.N.-O.), 1984*

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## Abstract

Chemical and physical surface water data for the Northwest Territories collected during 1980 and 1981 are detailed herein. These data are intended to provide a ready reference to the water quality variables measured.



## Résumé

Les données chimiques et physiques sur les eaux de surface des Territoires du Nord-Ouest recueillies en 1980 et 1981 sont présentées de façon à permettre la consultation rapide des paramètres de la qualité de l'eau mesurés.

## INTRODUCTION

The chemical and physical data from selected surface waters in the Northwest Territories during 1980 and 1981 are presented in this report. These data were obtained from a number of Water Quality Branch programs. Because of varying program priorities and changes in the role of the Branch, the sampling locations, frequencies and parameters also changed during this period. Hence, the amount of available data varies from site to site and from year to year.

Data collection by the Branch may be done either as a special study or survey, or as part of a long-term monitoring program. Special studies or surveys are usually of short duration with specific objectives, such as determining the source, the pathways or the distribution of a pollutant in the aquatic environment. Long-term monitoring may be defined as the systematic collection of water samples at strategic locations to provide an overview of the water quality in the aquatic system. This base-line information supports work for assessing trends in the aquatic environment, establishing water quality objectives and assessing the impacts of development.

This report is the third of a series of detailed water quality data reports, published since 1974. Earlier data collected in the Northwest Territories were summarized in a publication entitled *Water Quality Data, Northwest Territories, 1961-1973*. The detailed publications are intended for those who desire greater access to the available water quality information than can be obtained from the summary publication.

The data contained in this report are stored on the NAQUADAT computerized storage and retrieval system. While these data are edited prior to publication, they remain subject to post-publication revision.

The assistance of personnel from the Water Quality Branch, Hull/Ottawa, in obtaining the data retrievals and the staff of Drafting Services Division, Environmental Conservation Service, in

## INTRODUCTION

Le présent rapport traite des données d'ordre chimique et physique relatives à des eaux de surface choisies des Territoires du Nord-Ouest. Ces données ont été obtenues à partir d'un certain nombre de programmes de la Direction de la qualité des eaux réalisés en 1980 et 1981. À cause de changements de priorités dans les programmes et de modifications du rôle de la Direction, les emplacements, fréquences et paramètres d'échantillonnage ont eux aussi varié au cours de la période. C'est pourquoi la quantité des données varie selon les emplacements et les années.

La Direction entreprend la cueillette des données en raison soit d'une étude ou enquête spéciale, soit d'un programme de contrôle à long terme. Les études spéciales, habituellement de courte durée, ont des objectifs précis, comme de déterminer la source, les parcours ou la distribution d'un polluant dans l'environnement aquatique. Quant aux contrôles à long terme, on peut les définir comme une collecte systématique d'échantillons à des emplacements choisis, permettant d'obtenir un aperçu global de la qualité des eaux dans le système. Ces données servent ensuite de base à l'identification des tendances dans l'environnement aquatique, à l'élaboration d'objectifs de la qualité de l'eau et à l'évaluation des effets d'aménagements.

Le rapport qui suit est le troisième d'une série contenant des données détaillées sur la qualité des eaux datant de 1974. D'autres données recueillies dans les Territoires du Nord-Ouest avaient été présentées dans une publication précédente, *Données sur la qualité des eaux, Territoires du Nord-Ouest, 1961-1973*. Les rapports détaillés s'adressent aux personnes qui veulent avoir, au sujet des données sur la qualité des eaux, plus de détails que n'en donnait la publication sommaire.

Les données présentées ici sont emmagasinées dans la banque NAQUADAT, système informatisé de stockage et d'extraction de données. Ces données ont été révisées avant d'être publiées, mais éventuellement, elles devront faire encore l'objet d'une révision ultérieure.

On remercie vivement le personnel de la Direction de la qualité des eaux, à Hull et à Ottawa, et de la Division du dessin du Service de la conservation de l'environnement, pour leur aide dans

preparing the map, is gratefully acknowledged. The efforts of Water Survey of Canada personnel, who collected the samples, and of Roger McNeely, who validated the data from Ellesmere Island, are also appreciated.

## GUIDE TO USE OF TABLES

Data in this report are presented in two sections. Part I contains data from the District of Mackenzie and the District of Keewatin. Part II contains data from the Arctic Islands. Within each section the data are arranged in order of the 12-digit code assigned to each station (i.e., NAQUADAT station number). This code incorporates the Water Survey of Canada basin and sub-basin designation. In the stream number, the first two numerals refer to the water type (00 designates a stream; 01, a lake or reservoir; 04, a pond; 31, snow; 32, precipitated ice) and they are followed by a two-letter provincial code (NW for Northwest Territories). The next two numerals and two letters refer to the basin and sub-basin, respectively, followed by a final four-digit sequence number. The station indices and station location maps are presented at the end of this report. For locations where a Station Parameter code (e.g. 97900S) is given, Water Survey of Canada discharge data are also available for that site. For those wishing to refer to specific discharge data for a site, the appropriate Water Survey Station Reference number can be derived from the NAQUADAT station number by replacing its final four-digit sequence with the three digits of the Station Parameter code. Geographical coordinates of the sampling sites are also provided in the indices.

## CODING OF ANALYTICAL METHODS

The analytical method employed is defined by the six-digit code number shown at the top of each column of data. If the analytical method used for a particular datum is different from the one indicated in the column heading, then the last three digits of the appropriate method code appear as backup codes beside the actual result. The parameter code number is of the form ZZXYYA where:

l'extraction des données et la préparation de la carte, respectivement. Les auteurs sont également reconnaissants aux agents des Relevés des eaux du Canada qui ont prélevé les échantillons et à Roger McNeely, qui a verifié la validité des données provenant de l'île Ellesmere.

## GUIDE D'UTILISATION DES TABLEAUX

Le présent rapport se divise en deux parties; la première renferme les données recueillies dans le district de Mackenzie et le district de Keewatin, tandis que les données présentées dans la deuxième section viennent des Îles de l'Arctique. Les données de chaque partie sont disposées selon le code de 12 éléments assigné à chaque station (c.-à-d. le numéro NAQUADAT de la station); ce code renferme la désignation de la Division des relevés hydrologiques du Canada relative aux bassins et aux sous-bassins. Les deux premiers chiffres se rapportent au type d'eau (00 désigne un cours d'eau; 01 un lac ou un réservoir; 04, un étang; 31, la neige; 32, la glace précipitée) et sont suivis de deux lettres désignant la province (par exemple, NW pour Territoires du Nord-Ouest). Ensuite viennent deux chiffres et deux lettres, respectivement pour le bassin et le sous-bassin, puis finalement un numéro de séquence de quatre unités. À la fin du présent rapport se trouvent les index des stations et les cartes de l'emplacement des stations. Dans les cas où un code de paramètre (p.ex. 97900S) est présenté, cela indique que des données sur le débit, recueillies par la Division des relevés hydrologiques du Canada, sont également disponibles pour la station en question. On obtient le numéro de référence de la Division pour la station en remplaçant les quatre derniers chiffres par le code de trois unités qui est indiqué. Les index comportent aussi les coordonnées géographiques des lieux d'échantillonnage.

## CODES DES MÉTHODES ANALYTIQUES

La méthode analytique employée est indiquée par le code de six éléments paraissant à la tête de chaque colonne de données. Si, pour une donnée particulière, la méthode analytique utilisée était différente de celle indiquée en rubrique, les trois dernières unités du code de la méthode appropriée paraîtraient alors à côté de la donnée. Le numéro de code du paramètre se présente sous la forme ZZXYYA, où:

(1) ZZ is a numeric code designating the type of test as shown in the following table:

| Tests | Parameter Code |
|---|---|
| Chemical tests | ATXYYA (AT: Atomic number) |
| Balances and other calculated parameters | 00XYYA |
| General physical tests | 02XYYA |
| General chemical tests | 10XYYA |
| Pesticides and herbicides | 18XYYA |
| Bacteriological tests | 36XYYA |
| Biological information | 54XYYA |
| Other information | 97XYYA, 98XYYA and 99XYYA |

(2) X is a one-digit numerical code (0-9) subdividing group (1).

(3) YY is a two-digit sequential numerical code identifying the analytical method used for the test. In certain cases this field is used to subdivide further the type of tests described in (1) and (2).

(4) A is a one digit alphabetical code indicating the place where the analysis was carried out, whether the sample was preserved and/or filtered, and whether the result is a mean or median of replicate analyses.

- S in situ analysis
- F field analysis
- L laboratory analysis
- P preserved in field; laboratory analysis
- D filtered in field; laboratory analysis
- R mean or median of laboratory analyzed replicates
- G filtered and preserved in field; laboratory analysis
- T mean or median of field filtered and preserved replicates; laboratory analyzed
- U mean or median of field analyzed replicates

(1) ZZ est un code numérique désignant le type d'essai, conformément à la liste suivante:

| Essais | Code paramétrique |
|---|---|
| Essais chimiques | ATXYYA (AT: numéro atomique) |
| Bilans et autres paramètres calculés | 00XYYA |
| Essais physiques généraux | 02XYYA |
| Essais chimiques généraux | 10XYYA |
| Pesticides et herbicides | 18XYYA |
| Essais bactériologiques | 36XYYA |
| Renseignements biologiques | 54XYYA |
| Autres renseignements | 97XYYA, 98XYYA et 99XYYA |

(2) X est un code numérique à un chiffre (0 à 9) qui subdivise le groupe (1).

(3) YY est un code numérique séquentiel qui précise la méthode analytique employée pour l'essai. Il sert quelquefois à subdiviser davantage le type d'essai décrit en (1) et (2).

(4) A est un code d'une lettre indiquant l'endroit de l'analyse et si l'échantillon a été conservé et/ou filtré et si le résultat est une moyenne ou une médiane des échantillons analysés.

- S analyse sur le lieu-même
- F analyse sur le terrain
- L analyse au laboratoire
- P conservé sur le terrain; analyse au laboratoire
- D filtré sur le terrain; analyse au laboratoire
- R moyenne ou médiane répétée d'échantillons analysés au laboratoire
- G filtré et conservé sur le terrain; analyse au laboratoire
- T moyenne ou médiane répétée des échantillons filtrés et conservés sur le terrain; analyse au laboratoire
- U moyenne ou médiane répétée des échantillons analysés sur le terrain

V mean or median of field filtered replicates; laboratory analysis

W mean or median of field preserved replicates; laboratory or field analysis

In some cases values within the same column have different numbers of significant figures. This may occur when two or more analytical methods have been used to measure a particular parameter and generally reflects the increased precision of the newer method.

A complete description of all the parameter code numbers is given in the NAQUADAT Dictionary.

## DEFINITION OF TERMS AND SYMBOLS

| | |
|---|---|
| G | greater than |
| JTU's | Jackson turbidity units |
| L | less than |
| Lat. | latitude in degrees, minutes and seconds |
| Long. | longitude in degrees, minutes and seconds |
| MG/L | milligrams per litre |
| NAQUADAT | National Water Quality Data Storage and Retrieval System |
| Q | signifies that at least one of the values used in the computation of this result was reported as less than the detection limit. In the computation of calculated parameters analytical values reported as "less than the detection limit" are interpreted as being equal to the numeric value of the detection limit. For example, when computing total nitrogen, given a total Kjeldahl nitrogen value of less than 0.1 milligram/litre (L 0.1 MG/L) and a dissolved nitrogen ($NO_3$ + $NO_2$) value of 0.07 MG/L, |

V moyenne ou médiane répétée des échantillons filtrés sur le terrain; analyse au laboratoire

W moyenne ou médiane répétée des échantillons conservés sur le terrain; analyse au laboratoire ou sur le terrain

Quelquefois, dans la même colonne, des codes ne possèdent pas le même nombre d'éléments. Cela peut arriver lorsqu'on a utilisé deux méthodes analytiques ou plus pour mesurer un paramètre donné et le code révèle la précision accrue de la nouvelle méthode.

Le dictionnaire NAQUADAT donne une description complète de tous les numéros de code paramétrique.

## DÉFINITION DES TERMES ET DES SYMBOLES

| | |
|---|---|
| G | plus grand que |
| JTU | unité de turbidité de Jackson |
| L | moins que |
| Lat. | latitude en degrés, minutes et secondes |
| Long. | longitude en degrés, minutes et secondes |
| MG/L | milligrammes par litre |
| NAQUADAT | banque nationale de stockage et de recouvrement des données sur la qualité des eaux |
| Q | signifie qu'au moins une des valeurs utilisées dans le calcul de ce résultat a été signalée comme étant inférieure à la limite de détection. Dans le calcul des paramètres, les valeurs analytiques signalées comme «inférieures à la limite de détection» ont été interprétées comme étant égales à la valeur numérique de la limite de détection. Par exemple, si l'on veut calculer la teneur en azote total, lorsqu'on a une valeur en azote total de Kjeldahl de moins de 0,1 milligramme par litre (L 0,1 MG/L) et une valeur de 0,07 MG/L |

| | |
|---|---|
| | the numeric values would be simply added to give a total nitrogen Q.17 MG/L. |
| NO./100 ML | number per 100 millilitres |
| REL. UNITS | relative colour units |
| SUBM ID | submitter identification number. This identifies the sample collector and the project under which the data were collected. |
| UG/L | Micrograms per litre |
| USIE/CM | Microsiemens per centimetre |

## ADDITIONAL INFORMATION

Additional information on these data or requests for data not included in this publication may be obtained from:

Water Quality Specialist
Inland Waters Directorate
Environment Canada
Box 2970
Yellowknife, NWT
X1A 2R2

Phone: (403) 920-8501

Questions specifically relating to analytical methodologies should be directed to:

Head, Analytical Services Division
Water Quality Branch
Environment Canada
867 Lakeshore Road
Burlington, Ontario
L7R 4A6

Phone: (416) 637-4648

| | |
|---|---|
| | pour l'azote dissous ($NO_3$ + $NO_2$), on n'a qu'à additionner les deux valeurs, ce qui donne pour l'azote total: Q.17 MG/L. |
| NO./100 ML | nombre par 100 millilitres |
| REL. UNITS | unités relatives de couleur |
| SUBM ID | identifie la personne qui a recueilli l'échantillon et le projet-cadre |
| UG/L | microgrammes par litre |
| USIE/CM | microsiemens par centimètre |

## RENSEIGNEMENTS SUPPLÉMENTAIRES

Pour obtenir d'autres renseignements ou pour des données non comprises dans le présent rapport, écrire à:

Agent spécialiste de la qualité des eaux
Direction générale des eaux intérieures
Environnement Canada
C.P. 2970
Yellowknife (T.N.-O.)
X1A 2R2

Téléphone: (403) 920-8501

Pour les questions touchant directement les méthodes analytiques, s'adresser à:

Chef, Division des services d'analyse
Direction de la qualité des eaux
Environnement Canada
867 Lakeshore Road
Burlington (Ontario)
L7R 4A6

Téléphone: (416) 637-4648

# Detailed Data
# Données détaillées

# PART I

## DATA FROM THE DISTRICT OF MACKENZIE AND THE DISTRICT OF KEEWATIN

# PARTIE I

## DONNÉES RECUEILLIES DANS LE DISTRICT DE MACKENZIE ET LE DISTRICT DE KEEWATIN

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - [redacted]
THELON RIVER ABOVE THELON BLUFFS. NORTHWEST TERRITORIES LAT. 64D 32M 8S LONG. 101D 23M 46S

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C. | 02061L TEMP. WATER DEG. C. | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-30 | 1430 | 1 | 0.0 | 16.5 | -- | 83. | -- | 6.5 | .8 | 5. |
| 80-08-19 | 1330 | 1 | 5.0 | 18.4 | -- | 48. | -- | 7.1 | 1.2 | 20. |
| 81-05-22 | 1230 | 1 | 0.0 | 19.1 | -- | 62. | -- | 6.3 | 1.4 | -- |
| 81-07-17 | 1230 | 1 | 7.0 | 21.2 | -- | 32. | -- | 6.7 | .4 | -- |
| 81-08-29 | 1100 | 1 | 6.0 | 21.4 | 32. | 32. | 6.2 | 6.9 | .4 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-30 | 1430 | 1 | -- | 0. | 0.0 | 16. | 13.0 | 6.00 | 3.0 | 27.3 |
| 80-08-19 | 1330 | 1 | -- | 0. | 0.0 | 15. | 12.0 | 4.20 | 2.2 | 19.5 |
| 81-05-22 | 1230 | 1 | 5. | 0 | 0.0 | 9. | 7.0 | 4.00 | 1.8 | 17.4 |
| 81-07-17 | 1230 | 1 | 10. | 0. | 0.0 | 11. | 9.0 | 2.00 | 1.4 | 10.8 |
| 81-08-29 | 1100 | 1 | 10. | 0. | 0.0 | 10. | 8.0 | 1.80 | 1.4 | 10.3 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-30 | 1430 | 1 | 2. | 34. | 2.4 | 1.2 | 11.0 | .05 | 2. | .3 |
| 80-08-19 | 1330 | 1 | 2. | 21. | .8 | .4 | 4.5 | L.05 | 1. | .7 |
| 81-05-22 | 1230 | 1 | 2. | 21. | 1.5 | .7 | 7.3 | -- | 1. | .3 |
| 81-07-17 | 1230 | 1 | 1. | 13. | .5 | .3 | 2.2 | L.05 | 1. | .4 |
| 81-08-29 | 1100 | 1 | 1. | Q13. | .6 | .4 | 2.9 | L.05 | 1. | L.1 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-30 | 1430 | 1 | -- | 3.0 | .64 | .13 | .58 | .11 | .69 | L.003 |
| 80-08-19 | 1330 | 1 | -- | 3.0 | .25 | .07 | .19 | .04 | .23 | L.003 |
| 81-05-22 | 1230 | 1 | -- | 2.5 | .53 | .13 | .35 | .07 | .42 | L.003 |
| 81-07-17 | 1230 | 1 | -- | 2.9 | .18 | L.01 | .14 | .02 | .16 | L.003 |
| 81-08-29 | 1100 | 1 | -- | 1.8 | .29 | L.01 | .13 | .04 | .17 | L.003 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-30 | 1430 | 1 | .009 | Q.006 | .04 | L.0005 | L.0005 | -- | -- | -- |
| 80-08-19 | 1330 | 1 | -- | -- | L.02 | L.0005 | L.0005 | L.01 | -- | .10 |
| 81-05-22 | 1230 | 1 | -- | -- | .04 | L.0005 | L.0005 | .02 | -- | .12 |
| 81-07-17 | 1230 | 1 | .023 | Q.020 | L.02 | L.0005 | L.0005 | L.01 | -- | .12 |
| 81-08-29 | 1100 | 1 | .012 | Q.009 | .03 | L.0005 | L.0005 | L.01 | -- | L.04 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 26104P IRON DISSOLVED FE MG/L | 29305P COPPER EXTRBLE. CU MG/L | 29020P COPPER TOTAL RECOVERABLE CU MG/L | 82302P LEAD EXTRBLE. PB MG/L | 82020P LEAD TOTAL RECOVERABLE PB MG/L | 30305P ZINC EXTRBLE. ZN MG/L | 30020P ZINC TOTAL RECOVERABLE ZN MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-04-30 | 1430 | 1 | -- | -- | .003 | -- | .005 | -- | .017 |
| 80-08-19 | 1330 | 1 | -- | -- | .001 | -- | L.004 | -- | .002 |
| 81-05-22 | 1230 | 1 | -- | -- | .004 | -- | .037 | -- | .008 |
| 81-07-17 | 1230 | 1 | -- | -- | .002 | -- | L.004 | -- | .004 |
| 81-08-29 | 1100 | 1 | -- | -- | .003 | -- | L.004 | -- | .006 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 00HN06JC0001 LAT. 64D 32M 05 LONG. 101D 23M 48S
THELON RIVER ABOVE THELON BLUFFS. NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE. CO MG/L | 27020P COBALT TOTAL RECOVERABLE CO MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-04-30 | 1430 | 1 | -- | L 001 | -- | 003 | 004 | -- | L 05 |
| 80-08-19 | 1330 | 1 | -- | L 001 | -- | L 002 | 009 | -- | 05 |
| 81-05-22 | 1230 | 1 | -- | L 001 | -- | 002 | -- | -- | L 05 |
| 81-07-17 | 1230 | 1 | -- | 001 | -- | L 002 | L 002 | -- | L 05 |
| 81-08-29 | 1100 | 1 | -- | L 001 | -- | L 002 | L 002 | -- | L 05 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 48302P CADMIUM EXTRBLE. CD MG/L | 48020P CADMIUM TOTAL RECOVERABLE CD MG/L | 80011P MERCURY TOTAL HG UG/L |
|---|---|---|---|---|---|
| 80-04-30 | 1430 | 1 | -- | 002 | L 02 |
| 80-08-19 | 1330 | 1 | -- | .001 | L 02 |
| 81-05-22 | 1230 | 1 | -- | L 001 | -- |
| 81-07-17 | 1230 | 1 | -- | L 001 | -- |
| 81-08-29 | 1100 | 1 | -- | L 001 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 00HN08LC0001
KAZAN RIVER ABOVE KAZAN FALLS. NORTHWEST TERRITORIES

LAT. 63D 38M 58S LONG. 95D 59M 15S

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG C | 02061L TEMP. WATER DEG C | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-24 | 1735 | 1 | 0.0 | 15.8 | -- | 37 | -- | 6.9 | 9 | 10. |
| 80-07-10 | 1300 | 1 | -- | 20.8 | -- | 23 | -- | 6.8 | 1.5 | 10 |
| 80-09-10 | 1600 | 1 | 7.0 | 18.6 | -- | 26 | -- | 6.9 | 1.0 | 20 |
| 81-05-04 | 1600 | 1 | 0.0 | 21.5 | -- | 34. | -- | 6.5 | 1.8 | -- |
| 81-07-14 | 1700 | 1 | 3.0 | 21.6 | -- | 24 | -- | 6.8 | 4 | -- |
| 81-08-30 | 2000 | 1 | 5.0 | 21.2 | 25 | 26 | 6.5 | 7.0 | 4 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-24 | 1735 | 1 | -- | -- | -- | -- | -- | 3.20 | 1.5 | 14.2 |
| 80-07-10 | 1300 | 1 | -- | 0 | 0.0 | 7 | 6.0 | 1.90 | .8 | 8.0 |
| 80-09-10 | 1600 | 1 | -- | 0 | 0.0 | 10. | 8.0 | 2.50 | 1.2 | 11.2 |
| 81-05-04 | 1600 | 1 | 5 | 0 | 0.0 | 13 | 11.0 | 3.00 | .9 | 11.2 |
| 81-07-14 | 1700 | 1 | 10 | 0. | 0.0 | 9 | 7.0 | 1.80 | 1.0 | 8.6 |
| 81-08-30 | 2000 | 1 | 10. | 0 | 0.0 | 10. | 8.0 | 1.90 | .9 | 8.5 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-24 | 1735 | 1 | 3 | -- | 8 | 8 | .9 | 14 | 2 | 2 |
| 80-07-10 | 1300 | 1 | L1. | 9 | 6 | 5 | 6 | 08 | 1. | 1 |
| 80-09-10 | 1600 | 1 | 2 | Q12 | 7 | 4 | 6 | 09 | L1 | 3 |
| 81-05-04 | 1600 | 1 | L1. | 14 | 8 | 6 | 6 | 11 | 1 | 3 |
| 81-07-14 | 1700 | 1 | L1 01R | Q10 | 6 | 5 | 5 | 10 | L1 | L 1 |
| 81-08-30 | 2000 | 1 | 1. | Q10 | 6 | 5 | 5 | 09 | 1 | L 1 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-24 | 1735 | 1 | -- | 4.0 | .26 | .11 | 44 | 05 | .49 | -- |
| 80-07-10 | 1300 | 1 | -- | 3.0 | .23 | L.01 | 11 | .04 | .15 | L.003 |
| 80-09-10 | 1600 | 1 | -- | 4.0 | 49 | -- | -- | 07 | -- | L.003 |
| 81-05-04 | 1600 | 1 | -- | 3.5 | .29 | .08 | 25 | .04 | .29 | 003 |
| 81-07-14 | 1700 | 1 | -- | 2.8 04R | .18 02R | L.01 10R | 13 51R | .04 02R | .17 | L.003 03R |
| 81-08-30 | 2000 | 1 | -- | 2.8 | .10 | L.01 | .16 | .03 | .19 | L.003 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-24 | 1735 | 1 | .200 | -- | L.02 | L.0005 | L.0005 | -- | L.01 | -- |
| 80-07-10 | 1300 | 1 | .007 | Q.004 | L.02 | L.0005 | L.0005 | -- | -- | -- |
| 80-09-10 | 1600 | 1 | .003 | Q0.000 | L.02 | L.0005 | L.0005 | L.01 | -- | L.04 |
| 81-05-04 | 1600 | 1 | .005 | .002 | L.02 | L.0005 | L.0005 | L.01 | -- | L.04 |
| 81-07-14 | 1700 | 1 | .043 | Q.040 | .02 | L.0005 | L.0005 | L.01 04W | -- | .06 04W |
| 81-08-30 | 2000 | 1 | .005 | Q.002 | .02 | L.0005 | L.0005 | L.01 | -- | L.04 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 26104P IRON DISSOLVED FE MG/L | 29305P COPPER EXTRBLE. CU MG/L | 29020P COPPER TOTAL RECOVERABLE CU MG/L | 82302P LEAD EXTRBLE. PB MG/L | 82020P LEAD TOTAL RECOVERABLE PB MG/L | 30305P ZINC EXTRBLE. ZN MG/L | 30020P ZINC TOTAL RECOVERABLE ZN MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-04-24 | 1735 | 1 | -- | -- | .003 | -- | L.004 | -- | .028 |
| 80-07-10 | 1300 | 1 | -- | -- | .001 | -- | L.004 | -- | .005 |
| 80-09-10 | 1600 | 1 | -- | -- | L.001 | -- | .013 | -- | .003 |
| 81-05-04 | 1600 | 1 | -- | -- | .003 | -- | L.004 | -- | -- |
| 81-07-14 | 1700 | 1 | -- | -- | .009 20W | -- | L.004 20W | -- | .007 20W |
| 81-08-30 | 2000 | 1 | -- | -- | .005 | -- | L.004 | -- | .005 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 00HH06LC0001 LAT 63D 38M 58S LONG 95D 51M 15S
KAZAN RIVER ABOVE KAZAN FALLS. NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE. CO MG/L | 27020P COBALT TOTAL RECOVERABLE CO MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-04-24 | 1735 | 1 | -- | L.001 | -- | .002 | .009 | -- | L.05 |
| 80-07-10 | 1300 | 1 | -- | .002 | -- | L.002 | .003 | -- | L.05 |
| 80-09-10 | 1800 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 81-05-04 | 1600 | 1 | -- | L.001 | -- | L.002 | -- | -- | .05 |
| 81-07-14 | 1700 | 1 | -- | L.001 20W | -- | L.002 20W | -- | -- | L.05 20W |
| 81-08-30 | 2000 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 48302P CADMIUM EXTRBLE. CD MG/L | 48020P CADMIUM TOTAL RECOVERABLE CD MG/L | 80011P MERCURY TOTAL HG UG/L |
|---|---|---|---|---|---|
| 80-04-24 | 1735 | 1 | -- | .001 | L.02 |
| 80-07-10 | 1300 | 1 | -- | L.001 | L.02 |
| 80-09-10 | 1800 | 1 | -- | L.001 | L.02 |
| 81-05-04 | 1600 | 1 | -- | L.001 | -- |
| 81-07-14 | 1700 | 1 | -- | L.001 20W | -- |
| 81-08-30 | 2000 | 1 | -- | L.001 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - [redacted]
QUOICH RIVER NEAR BAKER LAKE, NORTHWEST TERRITORIES LAT. 64D 27M 29S LONG. 94D 7M 9S

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C. | 02061L TEMP. WATER DEG. C. | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-24 | 1815 | 1 | 0.0 | 16.4 | -- | 26. | -- | 6.3 | .6 | 5. |
| 80-09-16 | 1235 | 1 | 6.0 | 18.9 | -- | 12. | -- | 6.6 | 1.1 | 20. |
| 81-05-03 | 1730 | 1 | 0.0 | 21.3 | -- | 22. | -- | 6.5 | 2.0 | -- |
| 81-07-14 | 1400 | 1 | 5.0 | 22.1 | -- | 9. | -- | 6.3 | .2 | -- |
| 81-08-28 | 1220 | 1 | 9.0 | 21.7 | 12. | 14. | -- | 7.0 | .4 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-24 | 1815 | 1 | -- | 0. | 0.0 | 5. | 4.0 | 1.50 | .7 | 6.6 |
| 80-09-16 | 1235 | 1 | -- | 0. | 0.0 | 1. | 1.0 | 1.00 | .5 | 4.6 |
| 81-05-03 | 1730 | 1 | 5. | 0. | 0.0 | 6. | 4.5 | 1.80 | .5 | 6.6 |
| 81-07-14 | 1400 | 1 | 10. | 0. | 0.0 | 2. | 2.0 | .20 | .2 | 1.3 |
| 81-08-28 | 1220 | 1 | 10. | 0. | 0.0 | 2. | 2.0 | .70 | .6 | 4.2 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-24 | 1815 | 1 | 8. | 11. | 1.0 | .7 | 2.1 | .07 | 2. | .1 |
| 80-09-16 | 1235 | 1 | 1. 01R | 7. | .9 | .3 | 1.1 | L.05 | 1. | 1.1 |
| 81-05-03 | 1730 | 1 | 7. | 10. | 1.1 | .8 | 1.2 | .06 | 2. | .3 |
| 81-07-14 | 1400 | 1 | 2. | 5. | .6 | .4 | .6 | L.05 | 1. | .4 |
| 81-08-28 | 1220 | 1 | L1. | 06. | .8 | .3 | L1.0 | L.05 | 1. | .6 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-24 | 1815 | 1 | -- | 2.0 | .48 | .07 | .33 | .08 | .41 | L.003 |
| 80-09-16 | 1235 | 1 | -- | 2.0 04R | .22 02R | L.01 10R | .10 51R | .04 02R | .14 | L.003 03R |
| 81-05-03 | 1730 | 1 | -- | 1.3 | .99 | .08 | .23 | .11 | .34 | L.003 |
| 81-07-14 | 1400 | 1 | -- | 1.1 | L.01 | L.01 | .06 | L.01 | 0.07 | L.003 |
| 81-08-28 | 1220 | 1 | -- | 1.4 | .21 | L.01 | .09 | .02 | .11 | L.003 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-24 | 1815 | 1 | .010 | 0.007 | L.02 | L.0005 | L.0005 | -- | L.01 | -- |
| 80-09-16 | 1235 | 1 | .004 06R | 0.001 | L.02 | L.0005 | L.0005 | L.01 04W | -- | .12 04W |
| 81-05-03 | 1730 | 1 | .017 | 0.014 | L.02 | L.0005 | L.0005 | L.01 | -- | .36 |
| 81-07-14 | 1400 | 1 | -- | -- | .08 | L.0005 | L.0005 | L.01 | -- | L.04 |
| 81-08-28 | 1220 | 1 | -- | -- | .03 | L.0005 | L.0005 | L.01 | -- | .06 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 26104P IRON DISSOLVED FE MG/L | 29305P COPPER EXTRBLE. CU MG/L | 29020P COPPER TOTAL RECOVERABLE CU MG/L | 82302P LEAD EXTRBLE. PB MG/L | 82020P LEAD TOTAL RECOVERABLE PB MG/L | 30305P ZINC EXTRBLE. ZN MG/L | 30020P ZINC TOTAL RECOVERABLE ZN MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-04-24 | 1815 | 1 | -- | -- | .003 | -- | L.004 | -- | .021 |
| 80-09-16 | 1235 | 1 | -- | -- | L.001 20W | -- | .004 20W | -- | .009 20W |
| 81-05-03 | 1730 | 1 | -- | -- | .004 | -- | L.004 | -- | -- |
| 81-07-14 | 1400 | 1 | -- | -- | .007 | -- | L.004 | -- | .006 |
| 81-08-28 | 1220 | 1 | -- | -- | L.001 | -- | L.004 | -- | .004 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - **OONNOSMB0001** LAT. 64D 27M 29S LONG. 94D 7M 9S
QUOICH RIVER NEAR BAKER LAKE, NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE. CO MG/L | 27020P COBALT TOTAL RECOVERABLE CO MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-04-24 | 1815 | 1 | -- | L.001 | -- | .003 | .009 | -- | L.05 |
| 80-09-16 | 1235 | 1 | -- | L.001 20W | -- | L.002 20W | -- | -- | L.05 20W |
| 81-05-03 | 1730 | 1 | -- | L.001 | -- | L.002 | -- | -- | L.05 |
| 81-07-14 | 1400 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 81-08-28 | 1220 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 48302P CADMIUM EXTRBLE. CD MG/L | 48020P CADMIUM TOTAL RECOVERABLE CD MG/L | 80011P MERCURY TOTAL HG UG/L |
|---|---|---|---|---|---|
| 80-04-24 | 1815 | 1 | -- | .002 | .02 |
| 80-09-16 | 1235 | 1 | -- | L.001 20W | L.02 11W |
| 81-05-03 | 1730 | 1 | -- | L.001 | -- |
| 81-07-14 | 1400 | 1 | -- | L.001 | -- |
| 81-08-28 | 1220 | 1 | -- | L.001 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - OONNO7NC0001
SLAVE RIVER NEAR DELTA, NWT.

LAT. 61D 16M 59S LONG. 113D 34M 59S

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C. | 02061L TEMP. WATER DEG. C. | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-05-15 | 1130 | 495 | 12.0 | 20.2 | 216. | 216. | -- | 8.0 | 52.0 | 80. |
| 80-07-09 | 1545 | 495 | 20.0 | 21.8 | 220. | 266. | -- | 8.0 | 550.0 | 800. |
| 80-07-10 | 1830 | 495 | 20.0 | 20.6 | 220. | 261. | -- | 8.0 | 520.0 | 600. |
| 80-08-20 | 1745 | 495 | 18.0 | 19.6 | 250. | 291. | 8.1 | 8.1 | 45.0 | 50. |
| 80-10-08 | 1700 | 495 | 8.0 | 20.5 | 210. | 265. | -- | 8.0 | 77.0 | 200. |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-05-15 | 1130 | 495 | -- | -- | 0.0 | -- | -- | 31.60 | 6.1 | 104.0 |
| 80-07-09 | 1545 | 495 | -- | 0. | 0.0 | 115. | 94.0 | 33.00 | 7.5 | 113.3 |
| 80-07-10 | 1830 | 495 | -- | 0. | 0.0 | 118. | 97.0 | 33.00 | 7.6 | 113.7 |
| 80-08-20 | 1745 | 495 | -- | 0. | 0.0 | 121. | 99.0 | 36.80 | 8.8 | 128.1 |
| 80-10-08 | 1700 | 495 | -- | 0. | 0.0 | 117. | 96.0 | 43.10 | 6.7 | 135.2 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-05-15 | 1130 | 495 | 84. | -- | 7.5 | 1.1 | 7.2 | .08 | 17. | 3.5 |
| 80-07-09 | 1545 | 495 | 563. | 135. | 6.8 | 1.1 | 5.4 | .11 | 20. | 4.8 |
| 80-07-10 | 1830 | 495 | 508. | 137. | 6.3 | 1.2 | 4.4 | .13 | 21. | 4.8 |
| 80-08-20 | 1745 | 495 | 82. | 152. | 10.0 | 1.0 | 8.4 | .06 | 23. | 4.8 |
| 80-10-08 | 1700 | 495 | 146. | 145. | 5.5 | .7 | 5.7 | .08 | 20. | 4.5 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-05-15 | 1130 | 495 | -- | 5.0 | 1.60 | .07 | .18 | .01 | .19 | .011 |
| 80-07-09 | 1545 | 495 | -- | 8.0 | 12.50 | -- | .34 | 1.40 | 1.74 | .023 |
| 80-07-10 | 1830 | 495 | -- | 7.0 | 8.90 | .09 | .29 | .96 | 1.25 | .071 |
| 80-08-20 | 1745 | 495 | -- | 8.0 | 2.20 | .02 | .23 | .30 | .53 | .018 |
| 80-10-08 | 1700 | 495 | -- | 7.0 | 3.70 | .04 | .25 | .38 | .63 | .009 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-05-15 | 1130 | 495 | .094 | .083 | .06 | L.0005 | L.0005 | -- | L.01 | -- |
| 80-07-09 | 1545 | 495 | .600 | .577 | .25 | L.0005 | L.0005 | -- | -- | -- |
| 80-07-10 | 1830 | 495 | .410 | .339 | .07 | .0005 | .0010 | -- | -- | -- |
| 80-08-20 | 1745 | 495 | .084 | .066 | .08 | L.0005 | L.0005 | -- | -- | -- |
| 80-10-08 | 1700 | 495 | .140 | .131 | .07 | L.0005 | L.0005 | .11 | -- | 2.00 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 26104P IRON DISSOLVED FE MG/L | 29305P COPPER EXTRBLE. CU MG/L | 29020P COPPER TOTAL RECOVERABLE CU MG/L | 82302P LEAD EXTRBLE. PB MG/L | 82020P LEAD TOTAL RECOVERABLE PB MG/L | 30305P ZINC EXTRBLE. ZN MG/L | 30020P ZINC TOTAL RECOVERABLE ZN MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-05-15 | 1130 | 495 | -- | -- | .005 | -- | L.004 | -- | .014 |
| 80-07-09 | 1545 | 495 | -- | -- | .022 | -- | .006 | -- | .096 |
| 80-07-10 | 1830 | 495 | -- | -- | .006 | -- | L.004 | -- | .074 |
| 80-08-20 | 1745 | 495 | -- | -- | .004 | -- | L.004 | -- | .011 |
| 80-10-08 | 1700 | 495 | -- | -- | .006 | -- | L.004 | -- | .025 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - OOHNO7KC0001 LAT. 61D 18M 58S LONG. 113D 34M 59S
SLAVE RIVER NEAR DELTA, NWT.

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE CB MG/L | 27020P COBALT TOTAL RECOVERABLE CB MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-06-15 | 1130 | 495 | -- | .002 | -- | .002 | 004 | -- | .09 |
| 80-07-08 | 1545 | 495 | -- | .005 | -- | .010 | .030 | -- | .31 |
| 80-07-10 | 1830 | 495 | -- | .009 | -- | .010 | .017 | -- | .44 |
| 80-08-20 | 1745 | 495 | -- | .004 | -- | L.002 | .002 | -- | .07 |
| 80-10-08 | 1700 | 495 | -- | -- | -- | .003 | .035 | -- | .09 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 48302P CADMIUM EXTRBLE. CD MG/L | 48020P CADMIUM TOTAL RECOVERABLE CD MG/L | 80011P MERCURY TOTAL HG UG/L |
|---|---|---|---|---|---|
| 80-06-15 | 1130 | 495 | -- | L.001 | L.02 |
| 80-07-08 | 1545 | 495 | -- | L.001 | .05 |
| 80-07-10 | 1830 | 495 | -- | L.001 | .05 |
| 80-08-20 | 1745 | 495 | -- | L.001 | .04 |
| 80-10-08 | 1700 | 495 | -- | L.001 | .03 |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - OOHW07080001
HAY RIVER NEAR HAY RIVER NORTHWEST TERRITORIES LAT. 600 44M 44S LONG. 115D 51M 20S

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C. | 02061L TEMP. WATER DEG. C. | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-10 | 1900 | 1 | 0.0 | 22.8 | 933. | 814. | -- | 7.5 | 7.2 | 120. |
| 80-04-28 | 1745 | 1 | 6.0 | 21.1 | 223. | 259. | 7.0 | 7.4 | 46.0 | 160. |
| 80-05-28 | 1150 | 1 | 10.0 | 22.5 | -- | 376. | 8.0 | 8.3 | 2.4 | 60. |
| 80-07-03 | 1100 | 1 | 17.0 | 18.6 | 375. | 443. | 7.8 | 8.2 | 4.1 | 60. |
| 80-08-13 | 1045 | 1 | 19.0 | 20.9 | -- | 379. | 8.3 | 8.1 | 9.2 | 80. |
| 80-08-18 | 1850 | 1 | 8.0 | 21.2 | 250. | 323. | 7.8 | 8.3 | 12.0 | 120. |
| 80-10-23 | 1215 | 1 | 1.0 | 17.6 | 220. | 279. | -- | 8.0 | 14.0 | 200. |
| 81-02-04 | 1510 | 1 | 1.0 | 18.9 | -- | 711. | -- | 7.6 | 8.0 | 120. |
| 81-05-22 | 1020 | 1 | 14.0 | 20.5 | 200. | 261. | -- | 7.6 | 93.0 | -- |
| 81-06-17 | 1530 | 1 | 16.0 | 18.6 | 300. | 361. | 8.4 | 8.0 | 18.0 | -- |
| 81-09-22 | 1000 | 1 | 7.0 | 16.0 | 440. | 548. | 8.4 | 8.4 | 1.8 | -- |
| 81-10-28 | 1500 | 1 | 0.0 | 23.4 | 510. | 609. | 7.8 | 8.1 | 2.5 | -- |
| 81-12-09 | 1130 | 1 | 0.0 | 21.6 | 500. | 630. | -- | 8.0 | 4.7 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-10 | 1900 | 1 | -- | 0. | 0.0 | 297. | 244.0 DEL | 108.00 | 35.3 | 415.0 |
| 80-04-28 | 1745 | 1 | -- | 0. | 0.0 | 88. | 72.0 | 27.00 | 8.6 | 102.8 |
| 80-05-28 | 1150 | 1 | -- | 0. | 0.0 | 140. | 115.0 | 44.00 | 13.5 | 165.5 |
| 80-07-03 | 1100 | 1 | -- | 0. | 0.0 | 156. | 128.0 | 51.70 | 13.7 | 185.5 |
| 80-08-13 | 1045 | 1 | -- | 0. | 0.0 | 116. | 95.0 | 47.00 | 11.4 | 164.3 |
| 80-08-18 | 1850 | 1 | -- | 0. | 0.0 | 116. | 95.0 | 38.80 | 10.3 | 139.3 |
| 80-10-23 | 1215 | 1 | -- | 0. | 0.0 | 99. | 81.0 | 32.40 | 8.2 | 114.7 |
| 81-02-04 | 1510 | 1 | -- | 0. | 0.0 | 274. | 225.0 | 89.00 | 25.0 | 325.2 |
| 81-05-22 | 1020 | 1 | 140. | 0. | 0.0 | 66. | 54.0 | 32.40 | 7.8 | 113.0 |
| 81-06-17 | 1530 | 1 | 100. | 0. | 0.0 | 98. | 80.0 | 42.30 | 11.9 | 154.6 |
| 81-09-22 | 1000 | 1 | 40. | 0. | .2 | 191. | 157.0 | 66.50 | 19.3 | 245.5 |
| 81-10-28 | 1500 | 1 | 40. | 0. | 0.0 | 238. | 195.0 | 81.40 | 23.0 | 298.0 |
| 81-12-09 | 1130 | 1 | 70. | 0. | 0.0 | 262. | 215.0 | 87.90 | 26.7 | 329.4 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-10 | 1900 | 1 | 6. | -- | 28.0 | 4.8 | 10.0 | .18 | 145. | -- |
| 80-04-28 | 1745 | 1 | 117. | 132. | 8.5 | 2.2 | 2.8 | .06 | 37. | 2.2 |
| 80-05-28 | 1150 | 1 | 2. | 213. | 17.0 | 2.8 | 4.6 | .13 | 82. | .4 |
| 80-07-03 | 1100 | 1 | -- | 236. | 15.0 | 2.4 | 4.1 | .12 | 70. | 2.6 |
| 80-08-13 | 1045 | 1 | 11. | 213. | 14.0 | 1.8 | 1.9 | .16 | 76. | 4.1 |
| 80-08-18 | 1850 | 1 | 13. | 177. | 12.0 | 1.2 | 3.0 | .11 | 52. | 2.5 |
| 80-10-23 | 1215 | 1 | 10. | 145. | 8.6 | .9 | 2.4 | .11 | 40. | 4.0 |
| 81-02-04 | 1510 | 1 | 6. | 403. | 29.0 | 2.4 | 1.1 | .20 | 114. | 7.4 |
| 81-05-22 | 1020 | 1 | 184. | 143. | 8.2 | 4.9 | 2.2 | .13 | 51. | 4.5 |
| 81-06-17 | 1530 | 1 | 23. | 197. | 12.0 | 3.0 | 3.2 | .08 | 73. | 4.0 |
| 81-09-22 | 1000 | 1 | 11. | 311. | 18.0 | 2.9 | 7.7 | .16 | 102. | .1 |
| 81-10-28 | 1500 | 1 | 2. | 379. | 24.0 | 3.2 | 9.7 | .09 | 120. | .6 |
| 81-12-09 | 1130 | 1 | 2. | 407. | 26.0 | 2.7 | 11.0 | .18 | 120. | 3.4 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07853L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-10 | 1900 | 1 | 56.0 | 40.0 | .94 | -- | -- | .09 | -- | .040 |
| 80-04-28 | 1745 | 1 | -- | 11.0 | 4.90 | .21 | .87 | .68 | 1.55 | .031 |
| 80-05-28 | 1150 | 1 | -- | 17.0 | .28 | .04 | .61 | .04 | .65 | .014 |
| 80-07-03 | 1100 | 1 | -- | -- | .94 | L.01 | .85 | .14 | .79 | .012 |
| 80-08-13 | 1045 | 1 | -- | 14.0 | .91 | L.01 | .43 | .16 | .59 | .008 |
| 80-08-18 | 1850 | 1 | -- | 21.0 | .52 | .01 | .48 | .06 | .54 | .011 |
| 80-10-23 | 1215 | 1 | -- | 19.0 | .74 | .05 | .57 | .08 | .65 | .010 |
| 81-02-04 | 1810 | 1 | -- | 24.0 | .51 | .48 | 1.20 | .05 | 1.25 | .017 |
| 81-05-22 | 1020 | 1 | -- | 22.0 | 5.50 | .02 | .89 | .57 | 1.26 | .035 |
| 81-06-17 | 1530 | 1 | -- | 22.0 | 1.50 | L.01 | .65 | .21 | .85 | .020 |
| 81-09-22 | 1000 | 1 | -- | 16.0 | -- | .02 | .54 | -- | -- | .008 |
| 81-10-28 | 1500 | 1 | -- | 20.0 | .49 | .03 | .52 | .03 | .55 | .003 |
| 81-12-09 | 1130 | 1 | -- | 20.0 | .35 | .25 | .89 | L.01 | 0.70 | .007 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 80HH07080001
HAY RIVER NEAR HAY RIVER NORTHWEST TERRITORIES LAT. 60D 44M 44S LONG. 115D 51M 20S

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-10 | 1900 | 1 | .076 | .036 | .16 | L.0005 | L.0005 | .05 | -- | 2.50 |
| 80-04-28 | 1745 | 1 | .210 | .179 | .06 | L.0005 | L.0005 | -- | L.01 | -- |
| 80-05-28 | 1150 | 1 | .021 | .007 | .08 | L.0005 | L.0005 | -- | L.01 | -- |
| 80-07-03 | 1100 | 1 | .041 | .029 | .10 | L.0005 | L.0005 | -- | -- | -- |
| 80-08-13 | 1045 | 1 | .031 | .023 | .11 | .0006 | L.0005 | -- | -- | -- |
| 80-09-18 | 1850 | 1 | .027 | .016 | .13 | .0005 | L.0005 | .04 | -- | 1.10 |
| 80-10-23 | 1215 | 1 | .034 | .015 | .15 | L.0005 | L.0005 | .03 | -- | 1.00 |
| 81-02-04 | 1610 | 1 | .020 | .003 | .29 | L.0005 | L.0005 | .01 | -- | 1.70 |
| 81-05-22 | 1020 | 1 | .240 | .205 | .19 | L.0005 | L.0005 | .19 | -- | 3.40 |
| 81-06-17 | 1530 | 1 | .068 | .039 | .17 | .0006 | L.0005 | .06 | -- | 1.20 |
| 81-08-22 | 1000 | 1 | -- | -- | .11 | L.0005 | L.0005 | .02 | -- | .16 |
| 81-10-28 | 1500 | 1 | .037 | .034 | .12 | L.0005 | L.0005 | .01 | -- | .33 |
| 81-12-08 | 1130 | 1 | .010 | .003 | .18 | L.0005 | L.0005 | .01 | -- | .58 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 26104P IRON DISSOLVED FE MG/L | 29305P COPPER EXTRBLE. CU MG/L | 29020P COPPER TOTAL RECOVERABLE CU MG/L | 82302P LEAD EXTRBLE. PB MG/L | 82020P LEAD TOTAL RECOVERABLE PB MG/L | 30305P ZINC EXTRBLE. ZN MG/L | 30020P ZINC TOTAL RECOVERABLE ZN MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-01-10 | 1900 | 1 | -- | .003 | -- | L.004 | -- | .001 | -- |
| 80-04-28 | 1745 | 1 | -- | -- | .004 | -- | L.004 | -- | .016 |
| 80-05-28 | 1150 | 1 | -- | -- | .002 | -- | L.004 | -- | .005 |
| 80-07-03 | 1100 | 1 | -- | -- | .002 | -- | L.004 | -- | .003 |
| 80-08-13 | 1045 | 1 | -- | -- | .002 | -- | L.004 | -- | .003 |
| 80-09-18 | 1850 | 1 | -- | -- | .002 | -- | L.004 | -- | .006 |
| 80-10-23 | 1215 | 1 | -- | -- | .004 | -- | L.004 | -- | .008 |
| 81-02-04 | 1610 | 1 | -- | -- | .003 | -- | .005 | -- | .015 |
| 81-05-22 | 1020 | 1 | -- | -- | .005 | -- | L.004 | -- | .027 |
| 81-06-17 | 1530 | 1 | -- | -- | .008 | -- | L.004 | -- | .010 |
| 81-08-22 | 1000 | 1 | -- | -- | .008 | -- | L.004 | -- | .004 |
| 81-10-28 | 1500 | 1 | -- | -- | .003 | -- | L.004 | -- | .002 |
| 81-12-08 | 1130 | 1 | -- | -- | .002 | -- | L.004 | -- | L.001 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE. CO MG/L | 27020P COBALT TOTAL RECOVERABLE CO MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-01-10 | 1900 | 1 | L.001 | -- | L.002 | -- | -- | .05 | -- |
| 80-04-28 | 1745 | 1 | -- | .007 | -- | .003 | .009 | -- | .05 |
| 80-05-28 | 1150 | 1 | -- | L.001 | -- | L.002 | .004 | -- | L.05 |
| 80-07-03 | 1100 | 1 | -- | .003 | -- | L.002 | .008 | -- | .06 |
| 80-08-13 | 1045 | 1 | -- | L.001 | -- | L.002 | .003 | -- | L.05 |
| 80-09-18 | 1850 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 80-10-23 | 1215 | 1 | -- | .001 | -- | L.002 | .006 | -- | L.05 |
| 81-02-04 | 1610 | 1 | -- | L.001 | -- | L.002 | .014 | -- | .07 |
| 81-05-22 | 1020 | 1 | -- | .005 | -- | .005 | -- | -- | .06 |
| 81-06-17 | 1530 | 1 | -- | .002 | -- | L.002 | -- | -- | .08 |
| 81-08-22 | 1000 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | .09 |
| 81-10-28 | 1500 | 1 | -- | L.001 | -- | L.002 | .002 | -- | .06 |
| 81-12-08 | 1130 | 1 | -- | L.001 | -- | L.002 | .004 | -- | .08 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 48302P CADMIUM EXTRBLE. CD MG/L | 48020P CADMIUM TOTAL RECOVERABLE CD MG/L | 80011P MERCURY TOTAL HG UG/L |
|---|---|---|---|---|---|
| 80-01-10 | 1900 | 1 | .001 | -- | -- |
| 80-04-28 | 1745 | 1 | -- | .001 | L.02 |
| 80-05-28 | 1150 | 1 | -- | L.001 | .03 |
| 80-07-03 | 1100 | 1 | -- | L.001 | L.02 |
| 80-08-13 | 1045 | 1 | -- | L.001 | L.02 |
| 80-09-18 | 1850 | 1 | -- | L.001 | L.02 |
| 80-10-23 | 1215 | 1 | -- | .001 | .03 |
| 81-02-04 | 1610 | 1 | -- | L.001 | .02 |
| 81-05-22 | 1020 | 1 | -- | .001 | -- |
| 81-06-17 | 1530 | 1 | -- | L.001 | -- |
| 81-08-22 | 1000 | 1 | -- | L.001 | -- |
| 81-10-28 | 1500 | 1 | -- | L.001 | -- |
| 81-12-08 | 1130 | 1 | -- | L.001 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - [redacted]
LOCKHART RIVER BELOW ARTILLERY LAKE. NORTHWEST TERRITORIES LAT. 62D 53M 20S LONG. 108D 28M 18S

| DATE YRD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C. | 02061L TEMP. WATER DEG. C. | 02041F SPECIFIC CONDUCT. US/E/CM | 02041L SPECIFIC CONDUCT. US/E/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-02-04 | 1600 | 1 | 1.0 | 20.9 | 16. | 18. | -- | 7.0 | .3 | 15. |
| 80-05-08 | 2100 | 1 | 3.0 | 16.5 | 19. | -- | 7.5 | 7.0 | .5 | 5. |
| 80-06-19 | 1800 | 1 | 13.0 | 21.7 | 13. | 17. | -- | 6.9 | .2 | 15. |
| 80-07-30 | 1850 | 1 | 13.0 | 22.4 | 13. | 18. | 6.6 | 6.9 | .4 | 10. |
| 80-08-16 | 1235 | 1 | 8.0 | 22.4 | 16. | 17. | -- | 7.3 | .5 | 10. |
| 81-06-24 | 1700 | 1 | 8.0 | 20.4 | 13. | 18. | -- | 6.6 | .2 | -- |
| 81-07-22 | 1200 | 1 | 14.0 | 21.0 | 16. | 21. | -- | 7.0 | .7 | -- |

| DATE YRD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-02-04 | 1600 | 1 | -- | 0 | 0.0 | 5. | 4.0 08L | 1.20 | .5 | 5.1 |
| 80-05-08 | 2100 | 1 | -- | -- | -- | -- | -- | 1.50 | 1.1 | 8.3 |
| 80-06-19 | 1800 | 1 | -- | 0 | 0.0 | 6. | 5.0 | 1.50 | .5 | 5.8 |
| 80-07-30 | 1850 | 1 | -- | 0. | 0.0 | 2. | 2.0 | -- | -- | -- |
| 80-08-16 | 1235 | 1 | -- | 0. | 0.0 | 4. | 3.0 | 1.80 | .8 | 7.8 |
| 81-06-24 | 1700 | 1 | 5. | 0. | 0.0 | 5. | 4.0 | 1.10 | .4 | 4.4 |
| 81-07-22 | 1200 | 1 | 5. | 0. | 0.0 | 6. | 4.7 | 1.70 | .6 | 6.7 |

| DATE YRD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-02-04 | 1600 | 1 | 11. | 97. | .6 | .5 | .5 | L.05 | 1. | L.1 |
| 80-05-08 | 2100 | 1 | 2. | -- | .5 | .5 | .5 | L.05 | -- | .1 |
| 80-06-19 | 1800 | 1 | 1. | 8. | .6 | .4 | .4 | L.05 | 1. | .1 |
| 80-07-30 | 1850 | 1 | 11. | -- | .5 | .4 | .6 | L.05 | 1. | .1 |
| 80-08-16 | 1235 | 1 | 3. | 97. | .5 | .4 | .4 | L.05 | 1. | L.1 |
| 81-06-24 | 1700 | 1 | 11. | 97 | .3 | .4 | .4 | L.05 | 2. | L.1 |
| 81-07-22 | 1200 | 1 | -- | 8. | .4 | .3 | .5 | L.05 | 1. | .3 |

| DATE YRD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-02-04 | 1800 | 1 | L1.0 | 2.0 | .10 | .02 | .14 | .03 | .17 | L.003 |
| 80-05-08 | 2100 | 1 | -- | 2.0 | .23 | .01 | .12 | .04 | .16 | .003 |
| 80-06-19 | 1800 | 1 | -- | 2.0 | .15 | .01 | .14 | .03 | .17 | .005 |
| 80-07-30 | 1850 | 1 | -- | 2.0 | .21 | .03 | .11 | .04 | .15 | L.003 |
| 80-08-16 | 1235 | 1 | -- | 1.0 | .27 | L.01 | .10 | .04 | .14 | L.003 |
| 81-06-24 | 1700 | 1 | -- | 2.3 | .30 | -- | .12 | .04 | .16 | L.003 |
| 81-07-22 | 1200 | 1 | -- | 2.4 | .24 | L.01 | -- | .04 | -- | .006 |

| DATE YRD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-02-04 | 1600 | 1 | L.003 | 00.000 | L.02 | L.0005 | L.0005 | L.01 | -- | .04 |
| 80-05-08 | 2100 | 1 | .005 | .002 | L.02 | L.0005 | L.0005 | -- | L.01 | -- |
| 80-06-19 | 1800 | 1 | .007 | .002 | L.02 | L.0005 | L.0005 | -- | -- | -- |
| 80-07-30 | 1850 | 1 | L.003 | 00.000 | L.02 | L.0005 | L.0005 | -- | -- | -- |
| 80-08-16 | 1235 | 1 | L.003 | 00.000 | L.02 | L.0005 | L.0005 | -- | -- | -- |
| 81-06-24 | 1700 | 1 | L.003 | 00.000 | L.02 | L.0005 | L.0005 | L.01 | -- | .05 |
| 81-07-22 | 1200 | 1 | .009 | .003 | L.02 | L.0 25 | L.0005 | L.01 | -- | L.04 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 08NH07R90001 LAT. 62D 53M 20S LONG. 108D 28M 18S
LOCKHART RIVER BELOW ARTILLERY LAKE. NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 26104P IRON DISSOLVED FE MG/L | 29305P COPPER EXTRBLE. CU MG/L | 29020P COPPER TOTAL RECOVERABLE CU MG/L | 82302P LEAD EXTRBLE. PB MG/L | 82020P LEAD TOTAL RECOVERABLE PB MG/L | 30305P ZINC EXTRBLE. ZN MG/L | 30020P ZINC TOTAL RECOVERABLE ZN MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-02-04 | 1600 | 1 | -- | L.001 | -- | L.004 | -- | L.001 | -- |
| 80-05-08 | 2100 | 1 | -- | -- | .003 | -- | L.004 | -- | .008 |
| 80-06-19 | 1800 | 1 | -- | -- | L.001 | -- | L.004 | -- | .003 |
| 80-07-30 | 1850 | 1 | -- | -- | .002 | -- | L.004 | -- | .001 |
| 80-09-16 | 1235 | 1 | -- | -- | .002 | -- | L.004 | -- | .019 |
| 81-06-24 | 1700 | 1 | -- | -- | .005 | -- | L.004 | -- | L.001 |
| 81-07-22 | 1200 | 1 | -- | -- | L.001 | -- | L.004 | -- | .001 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE. CO MG/L | 27020P COBALT TOTAL RECOVERABLE CO MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-02-04 | 1600 | 1 | L.001 | -- | L.002 | -- | -- | L.05 | -- |
| 80-05-08 | 2100 | 1 | -- | L.001 | -- | .004 | .006 | -- | L.05 |
| 80-06-19 | 1800 | 1 | -- | L.001 | -- | .003 | .004 | -- | .05 |
| 80-07-30 | 1850 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 80-09-16 | 1235 | 1 | -- | L.001 | -- | L.002 | .002 | -- | L.05 |
| 81-06-24 | 1700 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 81-07-22 | 1200 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 48302P CADMIUM EXTRBLE. CD MG/L | 48020P CADMIUM TOTAL RECOVERABLE CD MG/L | 80011P MERCURY TOTAL HG UG/L |
|---|---|---|---|---|---|
| 80-02-04 | 1600 | 1 | L.001 | -- | L.02 |
| 80-05-08 | 2100 | 1 | -- | .001 | L.02 |
| 80-06-19 | 1800 | 1 | -- | L.001 | .03 |
| 80-07-30 | 1850 | 1 | -- | L.001 | .03 |
| 80-09-16 | 1235 | 1 | -- | L.001 | L.02 |
| 81-06-24 | 1700 | 1 | -- | L.001 | -- |
| 81-07-22 | 1200 | 1 | -- | L.001 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 10HH10EA0004 LAT. 61D 31M 58S LONG. 125D 24M 20S
FLAT RIVER NEAR MOUTH, NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C. | 02061L TEMP. WATER DEG. C. | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-03-10 | 1340 | 427 | 0.0 | 20.5 | -- | 423. | 7.9 | 7.8 | 1.2 | 10. |
| 80-08-30 | 1315 | 1 | 9.0 | 19.3 | 260. | 285. | 8.3 | 8.1 | 8.2 | 20. |
| 80-11-27 | 1710 | 1 | 0.0 | 21.3 | 375. | 397. | -- | 7.9 | 1.4 | 20. |
| 81-04-29 | 1200 | 1 | 0.0 | 20.1 | 350. | 352. | 7.6 | 8.0 | 6.7 | -- |
| 81-06-17 | 1200 | 1 | -- | 15.1 | 220. | 220. | 7.8 | 8.0 | 50.0 | -- |
| 81-07-06 | 1550 | 1 | 13.0 | 19.2 | 240. | 247. | 8.1 | 8.2 | 15.0 | -- |
| 81-09-21 | 1400 | 1 | 8.0 | 21.7 | 250. | 287. | -- | 8.2 | 3.9 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-03-10 | 1340 | 427 | -- | 0. | 0.0 | 198. | 162.0 06L | 57.80 | 14.5 | 204.0 |
| 80-08-30 | 1315 | 1 | -- | 0. | 0.0 | 134. | 110.0 | 41.50 | 8.8 | 139.9 |
| 80-11-27 | 1710 | 1 | -- | 0. | 0.0 | 191. | 157.0 | 59.80 | 12.3 | 200.0 |
| 81-04-29 | 1200 | 1 | 5. | 0. | 0.0 | 168. | 138.0 | 55.00 | 13.0 | 190.9 |
| 81-06-17 | 1200 | 1 | 20. | 0. | 0.0 | 102. | 84.0 | 32.00 | 5.5 | 102.6 |
| 81-07-06 | 1550 | 1 | 20. | 0. | 0.0 | 118. | 97.0 | 38.00 | 7.0 | 123.7 |
| 81-09-21 | 1400 | 1 | 10. | 0. | 0.0 | 138. | 113.0 | 43.40 | 8.3 | 142.5 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-03-10 | 1340 | 427 | -- | 212. | 1.6 | .9 | .5 | .08 | 33. | 6.6 |
| 80-08-30 | 1315 | 1 | -- | 152. | 1.3 | .7 | .3 | .06 | 28. | 5.8 |
| 80-11-27 | 1710 | 1 | 2. | 211. | 1.7 | .8 | .4 | .08 | 35. | 7.0 |
| 81-04-29 | 1200 | 1 | 5. | 193. | 1.7 | .8 | .6 | .12 | 34. | 5.3 |
| 81-06-17 | 1200 | 1 | 82. | 111. | .7 | .5 | .3 | L.05 | 17. | 5.0 |
| 81-07-06 | 1550 | 1 | 15. | 131. | 1.1 | .6 | .3 | .07 | 20. | 5.4 |
| 81-09-21 | 1400 | 1 | 2. | 156. | 1.3 | .7 | .3 | .08 | 28. | 5.8 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-03-10 | 1340 | 427 | -- | 1.0 | .27 | -- | -- | .08 | -- | L.003 |
| 80-08-30 | 1315 | 1 | -- | 2.0 | .27 | L.01 | .06 | .04 | .10 | .019 |
| 81-04-29 | 1200 | 1 | -- | 1.6 | .29 | .07 | .10 | .04 | .14 | .010 |
| 81-06-17 | 1200 | 1 | -- | 3.6 | 1.80 | .07 | .16 | .12 | .28 | .003 |
| 81-07-06 | 1550 | 1 | -- | 1.4 | .34 | .03 | .32 | .04 | .36 | .012 |
| 81-09-21 | 1400 | 1 | -- | 1.6 | .15 | .07 | .15 | L.01 | 0.16 | L.003 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-03-10 | 1340 | 427 | .009 | 0.006 | .08 | L.0005 | .0007 | L.01 | -- | .10 |
| 80-08-30 | 1315 | 1 | .019 | 0.000 | .07 | .0005 | L.0005 | -- | -- | -- |
| 80-11-27 | 1710 | 1 | .017 | -- | .06 | .0007 | L.0005 | -- | -- | -- |
| 81-04-29 | 1200 | 1 | .011 | .001 | .04 | L.0005 | .0005 | L.01 | -- | .09 |
| 81-06-17 | 1200 | 1 | .060 | .057 | .06 | .0005 | L.0005 | .04 | -- | .91 |
| 81-07-06 | 1550 | 1 | .042 | .030 | .03 | L.0005 | .0005 | .01 | -- | .30 |
| 81-09-21 | 1400 | 1 | .007 | 0.004 | .05 | L.0005 | .0005 | L.01 | -- | .23 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - **OOHN10EA0004** LAT. 61D 31M 59S LONG. 125D 24M 20S
FLAT RIVER NEAR MOUTH. NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 26104P IRON DISSOLVED FE MG/L | 29305P COPPER EXTRBLE. CU MG/L | 29020P COPPER TOTAL RECOVERABLE CU MG/L | 82302P LEAD EXTRBLE. PB MG/L | 82020P LEAD TOTAL RECOVERABLE PB MG/L | 30305P ZINC EXTRBLE. ZN MG/L | 30020P ZINC TOTAL RECOVERABLE ZN MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-03-10 | 1340 | 427 | -- | .004 | -- | L .004 | -- | -- | -- |
| 80-08-30 | 1315 | 1 | -- | -- | .002 | -- | L .004 | -- | .016 |
| 80-11-27 | 1710 | 1 | -- | -- | .001 | -- | L .004 | -- | .016 |
| 81-04-29 | 1200 | 1 | -- | -- | .004 | -- | L .004 | -- | .018 |
| 81-06-17 | 1200 | 1 | -- | -- | .004 | -- | L .004 | -- | .022 |
| 81-07-06 | 1550 | 1 | -- | -- | .003 | -- | L .004 | -- | .005 |
| 81-09-21 | 1400 | 1 | -- | -- | .002 | -- | L .004 | -- | .011 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE. CO MG/L | 27020P COBALT TOTAL RECOVERABLE CO MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-03-10 | 1340 | 427 | L .001 | -- | L .002 | -- | -- | .05 | -- |
| 80-08-30 | 1315 | 1 | -- | .002 | -- | L .002 | .007 | -- | .05 |
| 80-11-27 | 1710 | 1 | -- | .001 | -- | L .002 | .005 | -- | .07 |
| 81-04-29 | 1200 | 1 | -- | L .001 | -- | L .002 | .006 | -- | -- |
| 81-06-17 | 1200 | 1 | -- | .007 | -- | L .002 | -- | -- | .10 |
| 81-07-06 | 1550 | 1 | -- | .001 | -- | L .002 | .009 | -- | .06 |
| 81-09-21 | 1400 | 1 | -- | L .001 | -- | L .002 | L .002 | -- | L .05 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 48302P CADMIUM EXTRBLE. CD MG/L | 48020P CADMIUM TOTAL RECOVERABLE CD MG/L | 80011P MERCURY TOTAL HG UG/L |
|---|---|---|---|---|---|
| 80-03-10 | 1340 | 427 | .004 | -- | -- |
| 80-08-30 | 1315 | 1 | -- | L .001 | -- |
| 80-11-27 | 1710 | 1 | -- | L .001 | -- |
| 81-04-29 | 1200 | 1 | -- | L .001 | -- |
| 81-06-17 | 1200 | 1 | -- | L .001 | -- |
| 81-07-06 | 1550 | 1 | -- | L .001 | -- |
| 81-09-21 | 1400 | 1 | -- | L .001 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 09NN10EB0002 LAT. 61D 44M 22S LONG. 121D 13M 9S
LIARD RIVER ABOVE FORT SIMPSON. NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C. | 02061L TEMP. WATER DEG. C. | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-08 | 1359 | 1 | 0.0 | 20.6 | -- | 435. | 8.4 | 8.0 | 3.0 | 5 |
| 80-04-18 | 1245 | 1 | 0.0 | 20.2 | 340. | 403. | 7.8 | 8.0 | 9.0 | 5 |
| 80-06-09 | 0955 | 1 | 15.0 | 21.2 | 184. | 210. | 7.9 | 8.0 | 180.0 | 400. |
| 80-07-25 | 1100 | 1 | 14.0 | 19.8 | 210 | 254. | -- | 8.0 | 250.0 | 400 |
| 80-09-15 | 1140 | 1 | 9.0 | 21.6 | 260. | 310. | 7.6 | 8.2 | 25.0 | 60 |
| 80-10-24 | 1400 | 1 | 4.0 | 17.9 | -- | 305. | -- | 8.1 | 13.0 | 40 |
| 80-11-07 | 1130 | 1 | 0.0 | 20.7 | 330. | 340. | 7.6 | 7.9 | 5.2 | 30 |
| 81-01-05 | 1745 | 1 | 0.0 | 17.7 | 400. | 406. | 8.2 | 7.7 | 5.7 | 10 |
| 81-02-06 | 1330 | 1 | 0.0 | 19.0 | 400. | 417. | 8.2 | 7.7 | 1.7 | 5. |
| 81-03-23 | 1540 | 1 | 0.0 | 20.5 | 400. | 360. | 8.3 | 8.1 | 5.9 | -- |
| 81-05-29 | 1450 | 1 | 12.0 | 21.5 | 180. | 196. | 8.1 | 7.9 | 200.0 | -- |
| 81-07-10 | 1330 | 1 | 15.0 | 19.3 | 240. | 240. | 8.2 | 8.2 | 47.0 | -- |
| 81-09-16 | 1020 | 1 | 12.0 | 23.2 | 240. | 290. | 8.2 | 8.2 | 33.0 | -- |
| 81-11-20 | 1020 | 1 | 0.0 | 21.1 | 330. | 356. | -- | 8.0 | 4.4 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-08 | 1359 | 1 | -- | 0. | 0.0 | 200. | 164.0 06L | 57.20 | 15.8 | 207.9 |
| 80-04-18 | 1245 | 1 | -- | 0. | 0.0 | 193. | 158.0 | 62.30 | 15.3 | 218.6 |
| 80-06-09 | 0955 | 1 | -- | 0. | 0.0 | 90. | 74.0 | 28.40 | 6.6 | 98.1 |
| 80-07-25 | 1100 | 1 | -- | 0. | 0.0 | 116. | 95.0 | 35.00 | 9.0 | 124.5 |
| 80-09-15 | 1140 | 1 | -- | 0. | 0.0 | 140. | 115.0 | 39.80 | 11.4 | 146.3 |
| 80-10-24 | 1400 | 1 | -- | 0. | 0.0 | 140. | 115.0 | 40.10 | 10.5 | 143.4 |
| 80-11-07 | 1130 | 1 | -- | 0. | 0.0 | 154. | 126.0 | 44.20 | 12.8 | 163.1 |
| 81-01-05 | 1745 | 1 | -- | 0. | 0.0 | 189. | 155.0 | 55.10 | 15.6 | 201.8 |
| 81-02-06 | 1330 | 1 | -- | 0. | 0.0 | 196. | 161.0 | 50.00 | 16.3 | 192.0 |
| 81-03-23 | 1540 | 1 | 20. | 0. | 0.0 | 202. | 166.0 | 54.50 | 16.0 | 202.0 |
| 81-05-29 | 1450 | 1 | 50. | 0. | 0.0 | 94. | 77.0 | 28.70 | 6.6 | 98.8 |
| 81-07-10 | 1330 | 1 | 20 | 0. | 0.0 | 112. | 92.0 | 33.30 | 8.2 | 121.0 |
| 81-09-16 | 1020 | 1 | 20. | 0. | 0.0 | 135. | 111.0 | 39.30 | 11.5 | 145.5 |
| 81-11-20 | 1020 | 1 | 30. | 0. | 0.0 | 177. | 145.0 | 48.20 | 13.5 | 175.9 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-08 | 1359 | 1 | 11. 01R | 225. | 3.5 | .7 | 2.0 | .10 | 40. | 7.3 |
| 80-04-18 | 1245 | 1 | 23. | 223. | 4.2 | .8 | 3.5 | .11 | 36. | 6.0 |
| 80-06-09 | 0955 | 1 | 414. 01R | 104. | 1.7 | .6 | .7 | .07 | 17. | 4.6 |
| 80-07-25 | 1100 | 1 | 405. | 138. | 1.9 | .6 | .7 | .09 | 29. | 4.7 |
| 80-09-15 | 1140 | 1 | 46. | 158. | 2.2 | .6 | .8 | .07 | 29. | 5.4 |
| 80-10-24 | 1400 | 1 | -- | 158. | 2.0 | .5 | .9 | .10 | 29. | 5.7 |
| 80-11-07 | 1130 | 1 | 7. | 177. | 2.7 | .6 | 1.0 | .10 | 34. | 6.1 |
| 81-01-05 | 1745 | 1 | 49. | 213. | 3.3 | .7 | 1.6 | .11 | 37. | 6.9 |
| 81-02-06 | 1330 | 1 | 3. | 212. | 3.5 | .8 | 2.1 | .13 | 36. | 7.1 |
| 81-03-23 | 1540 | 1 | 1. | 220. | 3.4 | .8 | 2.3 | .13 | 36. | 7.0 |
| 81-05-29 | 1450 | 1 | 564. | 104. | 1.5 | .5 | .5 | .08 | 15. | 4.5 |
| 81-07-10 | 1330 | 1 | 87. | 126. | 1.5 | .5 | .6 | .08 | 20. | 5.2 |
| 81-09-16 | 1020 | 1 | 68. | 152. | 1.9 | .6 | .6 | .09 | 26. | 5.0 |
| 81-11-20 | 1020 | 1 | 5. | 197. | 3.2 | .6 | 1.4 | L.05 | 36. | 6.6 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-08 | 1359 | 1 | 40.0 52R | 2.0 04R | .12 02R | .17 10R | .21 51R | .02 02R | .23 | L.003 03R |
| 80-04-18 | 1245 | 1 | -- | 2.0 | 2.70 | .09 | .15 | .30 | .45 | .110 |
| 80-06-09 | 0955 | 1 | -- | 6.0 04R | 8.60 02R | .04 10R | .19 51R | .73 02R | .92 | .010 03R |
| 80-07-25 | 1100 | 1 | -- | 5.0 | 9.30 | .05 | .19 | .78 | .97 | 020 |
| 80-09-15 | 1140 | 1 | -- | 3.0 | 1.50 | .02 | .13 | .16 | .29 | L.003 |
| 80-10-24 | 1400 | 1 | -- | 3.0 | .73 | .06 | -- | .08 | -- | .006 |
| 80-11-07 | 1130 | 1 | -- | 3.0 | .29 | .13 | .21 | .05 | .26 | .003 |
| 81-01-05 | 1745 | 1 | -- | 2.0 | 1.10 | .13 | .19 | .10 | .29 | .003 |
| 81-02-06 | 1330 | 1 | -- | 2.0 | .09 | .13 | .19 | .02 | .21 | L.003 |
| 81-03-23 | 1540 | 1 | -- | -- | .13 | .11 | .17 | .02 | .19 | L.003 |
| 81-05-29 | 1450 | 1 | -- | 4.5 | 14.20 | .05 | .19 | .76 | .95 | .500 |
| 81-07-10 | 1330 | 1 | -- | 2.6 | 2.20 | .04 | .10 | .14 | .24 | .007 |
| 81-09-16 | 1020 | 1 | -- | 2.5 | 1.50 | .06 | .14 | .12 | .26 | L.003 |
| 81-11-20 | 1020 | 1 | -- | 3.8 | .17 | .09 | .17 | L.01 | 0.18 | .004 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 09NM10E00002 LAT. 61D 44M 22S LONG. 121D 13M 9S
LIARD RIVER ABOVE FORT SIMPSON, NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-08 | 1359 | 1 | L 003 06R | 00.000 | L.02 | L.0005 | .0008 | L.01 04W | -- | .12 04W |
| 80-04-18 | 1245 | 1 | .110 | 0.000 | .04 | L.0005 | .0005 | -- | L.01 | -- |
| 80-06-09 | 0955 | 1 | .380 06R | .370 | .07 | L.0005 | .0005 | -- | L.01 | -- |
| 80-07-25 | 1100 | 1 | 470 | .450 | .08 | L.0005 | .0005 | -- | -- | -- |
| 80-09-15 | 1140 | 1 | .054 | Q.051 | .06 | L.0005 | .0006 | -- | -- | -- |
| 80-10-24 | 1400 | 1 | .033 | .027 | .06 | L.0005 | .0006 | .02 | -- | .44 |
| 80-11-07 | 1130 | 1 | .016 | .013 | .07 | L.0005 | .0005 | .01 | -- | .26 |
| 81-01-05 | 1745 | 1 | .046 | .043 | .07 | L.0005 | L.0005 | .01 | -- | .33 |
| 81-02-06 | 1330 | 1 | L.003 | 00.000 | .06 | L.0005 | L.0005 | L.01 | -- | .12 |
| 81-03-23 | 1540 | 1 | L.003 | 00.000 | .04 | L.0005 | L.0005 | L.01 | -- | 09 |
| 81-05-29 | 1450 | 1 | .580 | .080 | .07 | L.0005 | L.0005 | .27 | -- | L.04 |
| 81-07-10 | 1330 | 1 | .076 | .069 | .03 | L.0005 | L.0005 | 04 | -- | .95 |
| 81-09-16 | 1020 | 1 | .140 | Q.137 | .05 | L.0005 | L.0005 | .04 | -- | 1.00 |
| 81-11-20 | 1020 | 1 | 011 | .007 | .06 | L.0005 | L.0005 | .01 | -- | .14 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 26104P IRON DISSOLVED FE MG/L | 29305P COPPER EXTRBLE. CU MG/L | 29020P COPPER TOTAL RECOVERABLE CU MG/L | 82302P LEAD EXTRBLE. PB MG/L | 82020P LEAD TOTAL RECOVERABLE PB MG/L | 30305P ZINC EXTRBLE. ZN MG/L | 30020P ZINC TOTAL RECOVERABLE ZN MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-01-08 | 1359 | 1 | -- | .002 05W | -- | L.004 02W | -- | .002 05W | -- |
| 80-04-18 | 1245 | 1 | -- | -- | .005 | -- | L.004 | -- | .006 |
| 80-06-09 | 0955 | 1 | -- | -- | .015 20W | -- | .006 20W | -- | .055 20W |
| 80-07-25 | 1100 | 1 | -- | -- | .015 | -- | .005 | -- | .002 |
| 80-09-15 | 1140 | 1 | -- | -- | .002 | -- | L.004 | -- | .011 |
| 80-10-24 | 1400 | 1 | -- | -- | .003 | -- | L.004 | -- | .007 |
| 80-11-07 | 1130 | 1 | -- | -- | .001 | -- | L.004 | -- | .008 |
| 81-01-05 | 1745 | 1 | -- | -- | .002 | -- | L.004 | -- | .003 |
| 81-02-06 | 1330 | 1 | -- | -- | .001 | -- | L.004 | -- | .001 |
| 81-03-23 | 1540 | 1 | -- | -- | .002 | -- | L.004 | -- | .004 |
| 81-05-29 | 1450 | 1 | -- | -- | .007 | -- | L.004 | -- | .045 |
| 81-07-10 | 1330 | 1 | -- | -- | .005 | -- | L.004 | -- | .008 |
| 81-09-16 | 1020 | 1 | -- | -- | .009 | -- | L.004 | -- | .013 |
| 81-11-20 | 1020 | 1 | -- | -- | .001 | -- | L.004 | -- | L.001 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 60HH10EB0002 LAT. 61D 44M 22S LONG. 121D 13M 05
LIARD RIVER ABOVE FORT SIMPSON. NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE. CO MG/L | 27020P COBALT TOTAL RECOVERABLE CO MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-01-08 | 1359 | 1 | L.001 02W | -- | L.002 02W | -- | -- | .07 01W | -- |
| 80-04-18 | 1245 | 1 | -- | .005 | -- | .002 | .005 | -- | .12 |
| 80-06-09 | 0955 | 1 | -- | L.001 20W | -- | .006 20W | -- | -- | .19 20W |
| 80-07-25 | 1100 | 1 | -- | .004 | -- | .005 | .022 | -- | .17 |
| 80-08-15 | 1140 | 1 | -- | .002 | -- | L.002 | .007 | -- | .05 |
| 80-10-24 | 1400 | 1 | -- | .001 | -- | L.002 | .006 | -- | .05 |
| 80-11-07 | 1130 | 1 | -- | L.001 | -- | L.002 | .017 | -- | .05 |
| 81-01-05 | 1745 | 1 | -- | L.001 | -- | .007 | .006 | -- | .06 |
| 81-02-06 | 1330 | 1 | -- | L.001 | -- | .002 | .003 | -- | .10 |
| 81-03-23 | 1540 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 81-05-29 | 1450 | 1 | -- | .006 | -- | .004 | -- | -- | .15 |
| 81-07-10 | 1330 | 1 | -- | .005 | -- | L.002 | .008 | -- | .09 |
| 81-08-18 | 1020 | 1 | -- | .004 | -- | L.002 | .005 | -- | .10 |
| 81-11-20 | 1020 | 1 | -- | L.001 | -- | L.002 | .002 | -- | .05 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 48302P CADMIUM EXTRBLE. CD MG/L | 48020P CADMIUM TOTAL RECOVERABLE CD MG/L | 80011P MERCURY TOTAL HG UG/L |
|---|---|---|---|---|---|
| 80-01-08 | 1359 | 1 | L.001 02W | -- | L.02 11W |
| 80-04-18 | 1245 | 1 | -- | L.001 | .06 |
| 80-06-09 | 0955 | 1 | -- | L.001 20W | .04 11W |
| 80-07-25 | 1100 | 1 | -- | L.001 | -- |
| 80-08-15 | 1140 | 1 | -- | L.001 | L.02 |
| 80-10-24 | 1400 | 1 | -- | .001 | .02 |
| 80-11-07 | 1130 | 1 | -- | L.001 | L.02 |
| 81-01-05 | 1745 | 1 | -- | .001 | L.02 |
| 81-02-06 | 1330 | 1 | -- | L.001 | .02 |
| 81-03-23 | 1540 | 1 | -- | L.001 | -- |
| 81-05-29 | 1450 | 1 | -- | L.001 | -- |
| 81-07-10 | 1330 | 1 | -- | L.001 | -- |
| 81-08-18 | 1020 | 1 | -- | L.001 | -- |
| 81-11-20 | 1020 | 1 | -- | L.001 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 60NN10FB0001 LAT. 61D 15M 25 LONG. 118D 3M 05
MACKENZIE RIVER NEAR FORT PROVIDENCE, NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG C | 02061L TEMP. WATER DEG C | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-09 | 1550 | 1 | 0.0 | 22.9 | 318. | 324. | -- | 7.6 | 2.2 | 20. |
| 80-04-29 | 1155 | 1 | 1.0 | 21.2 | 212. | 237. | -- | 8.0 | 12.0 | 30. |
| 80-05-27 | 1545 | 1 | 9.0 | 22.4 | 160. | 202. | -- | 8.4 | 12.0 | 30. |
| 80-07-02 | 1800 | 1 | 19.0 | 18.3 | 200. | 246. | 8.9 | 8.9 | 8.9 | 20. |
| 80-08-12 | 1400 | 1 | 20.0 | 20.6 | 198. | 239. | 8.9 | 8.8 | 7.8 | 20. |
| 80-09-19 | 1030 | 1 | 6.0 | 21.1 | 210. | 266. | -- | 8.1 | 23.0 | 50. |
| 80-10-22 | 1510 | 1 | 3.0 | 18.3 | 200. | 270. | -- | 8.0 | 16.0 | 60. |
| 81-05-21 | 1425 | 1 | 10.0 | 20.3 | 225. | 293. | -- | 7.8 | 120.0 | -- |
| 81-06-17 | 1115 | 1 | 14.0 | 18.7 | 198. | 249. | 7.8 | 8.0 | 15.0 | -- |
| 81-09-21 | 1240 | 1 | 10.0 | 15.8 | 200. | 266. | -- | 8.1 | 18.0 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-09 | 1550 | 1 | -- | 0. | 0.0 | 129. | 106.0 06L | 44.00 | 8.6 | 145.3 |
| 80-04-29 | 1155 | 1 | -- | 0. | 0.0 | 89. | 73.0 | 28.30 | 6.2 | 96.2 |
| 80-05-27 | 1545 | 1 | -- | 0. | 0.0 | 88. | 72.0 | 26.20 | 5.6 | 88.5 |
| 80-07-02 | 1800 | 1 | -- | 5. | 4.1 | 83. | 76.0 | 29.00 | 7.5 | 103.3 |
| 80-08-12 | 1400 | 1 | -- | 7. | 5.4 | 80. | 76.0 | 28.80 | 7.8 | 104.0 |
| 80-09-19 | 1030 | 1 | -- | 0. | 0.0 | 109. | 89.0 | 32.80 | 7.0 | 110.7 |
| 80-10-22 | 1510 | 1 | -- | 0. | 0.0 | 105. | 89.0 | 32.30 | 6.7 | 108.2 |
| 81-05-21 | 1425 | 1 | 50. | 0. | 0.0 | 120. | 98.0 | 40.00 | 8.7 | 135.7 |
| 81-06-17 | 1115 | 1 | 20. | 0. | 0.0 | 107. | 88.0 | 33.90 | 7.1 | 113.9 |
| 81-09-21 | 1240 | 1 | 30. | 0. | 0.0 | 116. | 95.0 | 35.60 | 7.3 | 119.0 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-09 | 1550 | 1 | 6. | 163. | 6.9 | 1.5 | 4.6 | .11 | 28. | 5.6 |
| 80-04-29 | 1155 | 1 | 13. | 118 | 6.2 | 1.0 | 5.8 | .07 | 24. | 3.0 |
| 80-05-27 | 1545 | 1 | 16. | 105. | 5.4 | .9 | 4.8 | -- | 17. | 1.8 |
| 80-07-02 | 1800 | 1 | 11. | 127. | 7.9 | .8 | 8.0 | .06 | 25. | 3.6 |
| 80-08-12 | 1400 | 1 | 9. 01R | -- | -- | -- | -- | .09 | 20. | -- |
| 80-09-19 | 1030 | 1 | 23. | 133. | 7.3 | 1.2 | 7.0 | .08 | 22. | 2.2 |
| 80-10-22 | 1510 | 1 | 13. | 132. | 7.0 | 1.1 | 6.7 | .09 | 23. | 1.7 |
| 81-05-21 | 1425 | 1 | 199. | 157. | 6.7 | 4.0 | 4.5 | .14 | 30. | 4.0 |
| 81-06-17 | 1115 | 1 | 14. | 129. | 6.1 | 1.2 | 3.3 | L.05 | 22. | 2.4 |
| 81-09-21 | 1240 | 1 | 9. | 138. | 6.7 | 1.3 | 6.1 | .09 | 22. | 2.2 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-09 | 1550 | 1 | 30.0 | 14.0 | .21 | .09 | .47 | .05 | .52 | .009 |
| 80-04-29 | 1155 | 1 | -- | 5.0 | .38 | .06 | .24 | .08 | .32 | .004 |
| 80-05-27 | 1545 | 1 | -- | 6.0 | .41 | .01 | .18 | .06 | .24 | .004 |
| 80-07-02 | 1800 | 1 | -- | 15.0 | .44 | L.01 | .21 | .07 | .28 | .008 |
| 80-08-12 | 1400 | 1 | -- | 6.0 04R | .27 02R | .01 10R | .21 51R | .05 02R | .26 | .005 03R |
| 80-09-19 | 1030 | 1 | -- | 6.0 | .73 | .01 | .20 | .10 | .30 | .003 |
| 80-10-22 | 1510 | 1 | -- | 5.0 | .47 | L.01 | .18 | .08 | .26 | L.003 |
| 81-05-21 | 1425 | 1 | -- | 14.0 | 4.00 | L.01 | .55 | .41 | .96 | .014 |
| 81-06-17 | 1115 | 1 | -- | 7.7 | .62 | L.01 | .35 | .10 | .45 | .011 |
| 81-09-21 | 1240 | 1 | -- | 5.8 | .48 | L.01 | .22 | .07 | .29 | .008 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 00NW10FB0001 LAT. 61D 15M 25 LONG. 118D 3M 05
MACKENZIE RIVER NEAR FORT PROVIDENCE, NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-09 | 1550 | 1 | .013 | .004 | .04 | L.0005 | L.0005 | L.01 | -- | .22 |
| 80-04-29 | 1155 | 1 | .018 | .014 | .04 | L.0005 | L.0005 | -- | L.01 | -- |
| 80-05-27 | 1545 | 1 | .014 | .010 | .04 | .0005 | L.0005 | -- | L.01 | -- |
| 80-07-02 | 1800 | 1 | .020 | .012 | .06 | L.0005 | L.0005 | -- | -- | -- |
| 80-08-12 | 1400 | 1 | .014 06R | .009 | -- | -- | -- | -- | -- | -- |
| 80-09-19 | 1030 | 1 | .024 | .021 | .03 | L.0005 | L.0005 | .02 | -- | .69 |
| 80-10-22 | 1510 | 1 | .020 | Q.017 | .04 | L.0005 | L.0005 | .01 | -- | .30 |
| 81-05-21 | 1425 | 1 | .140 | .126 | .10 | L.0005 | L.0005 | .11 | -- | 2.40 |
| 81-06-17 | 1115 | 1 | .023 | .012 | .04 | L.0005 | L.0005 | .02 | -- | .39 |
| 81-09-21 | 1240 | 1 | -- | -- | .04 | L.0005 | L.0005 | .01 | -- | .38 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 26104P IRON DISSOLVED FE MG/L | 29305P COPPER EXTRBLE. CU MG/L | 29020P COPPER TOTAL RECOVERABLE CU MG/L | 82302P LEAD EXTRBLE. PB MG/L | 82020P LEAD TOTAL RECOVERABLE PB MG/L | 30305P ZINC EXTRBLE. ZN MG/L | 30020P ZINC TOTAL RECOVERABLE ZN MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-01-09 | 1550 | 1 | -- | .004 | -- | L.004 | -- | .004 | -- |
| 80-04-29 | 1155 | 1 | -- | -- | .002 | -- | L.004 | -- | .002 |
| 80-05-27 | 1545 | 1 | -- | -- | .002 | -- | L.004 | -- | .022 |
| 80-07-02 | 1800 | 1 | -- | -- | .002 | -- | L.004 | -- | .004 |
| 80-08-12 | 1400 | 1 | -- | -- | .002 20W | -- | L.004 20W | -- | .001 20W |
| 80-09-19 | 1030 | 1 | -- | -- | .001 | -- | L.004 | -- | .006 |
| 80-10-22 | 1510 | 1 | -- | -- | .001 | -- | L.004 | -- | .002 |
| 81-05-21 | 1425 | 1 | -- | -- | .006 | -- | L.004 | -- | .029 |
| 81-06-17 | 1115 | 1 | -- | -- | .002 | -- | L.004 | -- | .002 |
| 81-09-21 | 1240 | 1 | -- | -- | .008 | -- | L.004 | -- | .003 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE. CO MG/L | 27020P COBALT TOTAL RECOVERABLE CO MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-01-09 | 1550 | 1 | L.001 | -- | .002 | -- | -- | L.05 | -- |
| 80-04-29 | 1155 | 1 | -- | L.001 | -- | L.002 | .002 | -- | .05 |
| 80-05-27 | 1545 | 1 | -- | L.001 | -- | L.002 | .009 | -- | -- |
| 80-07-02 | 1800 | 1 | -- | .004 | -- | L.002 | .007 | -- | .05 |
| 80-08-12 | 1400 | 1 | -- | L.001 20W | -- | L.002 20W | -- | -- | L.05 20W |
| 80-09-19 | 1030 | 1 | -- | .001 | -- | L.002 | .003 | -- | L.05 |
| 80-10-22 | 1510 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | .05 |
| 81-05-21 | 1425 | 1 | -- | .002 | -- | .004 | -- | -- | .05 |
| 81-06-17 | 1115 | 1 | -- | .003 | -- | L.002 | .004 | -- | .06 |
| 81-09-21 | 1240 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | .09 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 48302P CADMIUM EXTRBLE. CD MG/L | 48020P CADMIUM TOTAL RECOVERABLE CD MG/L | 80011P MERCURY TOTAL HG UG/L |
|---|---|---|---|---|---|
| 80-01-09 | 1550 | 1 | L.001 | -- | L.02 |
| 80-04-29 | 1155 | 1 | -- | L.001 | .03 |
| 80-05-27 | 1545 | 1 | -- | L.001 | L.02 |
| 80-07-02 | 1800 | 1 | -- | L.001 | L.02 |
| 80-08-12 | 1400 | 1 | -- | L.001 20W | L.02 11W |
| 80-09-19 | 1030 | 1 | -- | L.001 | L.02 |
| 80-10-22 | 1510 | 1 | -- | .001 | .06 |
| 81-05-21 | 1425 | 1 | -- | .008 | -- |
| 81-06-17 | 1115 | 1 | -- | L.001 | -- |
| 81-09-21 | 1240 | 1 | -- | L.001 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 60NN10JA0001 LAT. 65D 35M 44S LONG. 117D 45M 20S
CAMSELL RIVER AT OUTLET OF CLUT LAKE, NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C. | 02061L TEMP. WATER DEG. C. | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-14 | 1500 | 1 | 0.0 | 19.0 | -- | 136. | -- | 7.7 | .8 | L5. |
| 80-04-08 | 1840 | 1 | 0.0 | 20.6 | -- | 163. | -- | 7.3 | 1.1 | 5. |
| 80-05-16 | 2200 | 1 | 2.0 | 19.5 | 124. | 131. | 7.2 | 7.5 | .4 | 10. |
| 80-06-15 | 1340 | 1 | 9.0 | 19.0 | 100. | 108. | 7.1 | 7.7 | 1.3 | 10. |
| 80-08-05 | 2030 | 1 | 14.0 | 21.6 | 113. | 119. | -- | 7.6 | .5 | 10. |
| 80-09-18 | 1515 | 1 | 9.0 | 21.0 | 115. | 123. | -- | 7.7 | .5 | 5. |
| 80-10-25 | 1600 | 1 | 3.0 | 18.2 | 112. | 123. | 7.7 | 7.8 | .7 | -- |
| 80-11-26 | 1800 | 1 | 0.0 | 22.0 | -- | 186. | -- | 7.9 | .4 | 20. |
| 81-04-09 | 1450 | 1 | 0.0 | 22.7 | -- | 162. | -- | 8.0 | .3 | -- |
| 81-05-08 | 1520 | 1 | -- | 19.6 | -- | 148. | -- | 7.4 | .4 | -- |
| 81-07-02 | 1400 | 1 | 15.0 | 22.9 | 108. | 98. | 7.1 | 7.8 | .8 | -- |
| 81-08-18 | 1400 | 1 | 16.0 | 23.7 | 130. | 124. | 7.3 | 8.0 | .8 | -- |
| 81-11-11 | 1100 | 1 | 0.0 | 16.8 | 130. | 114. | -- | 7.6 | .9 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-14 | 1500 | 1 | -- | 0. | 0.0 | 61. | 50.0 06L | 15.50 | 6.5 | 65.5 |
| 80-04-08 | 1840 | 1 | -- | 0. | 0.0 | 67. | 55.0 | 15.00 | 6.8 | 65.5 |
| 80-05-16 | 2200 | 1 | -- | 0. | 0.0 | 60. | 49.0 | 14.30 | 6.5 | 62.5 |
| 80-06-15 | 1340 | 1 | -- | 0. | 0.0 | 48. | 39.0 | 11.30 | 4.8 | 48.0 |
| 80-08-05 | 2030 | 1 | -- | 0. | 0.0 | 52. | 43.0 | 13.00 | 5.7 | 55.9 |
| 80-09-18 | 1515 | 1 | -- | 0. | 0.0 | 54. | 44.0 | 14.00 | 5.5 | 57.6 |
| 80-10-25 | 1600 | 1 | -- | 0. | 0.0 | 56. | 46.0 | 13.20 | 4.9 | 53.1 |
| 80-11-26 | 1800 | 1 | -- | 0. | 0.0 | 72. | 59.0 | 17.80 | 7.7 | 76.2 |
| 81-04-09 | 1450 | 1 | 10. | 0. | 0.0 | 67. | 55.0 | 17.00 | 8.0 | 75.4 |
| 81-05-08 | 1520 | 1 | 5. | 0. | 0.0 | 66. | 54.0 | 16.70 | 6.8 | 69.7 |
| 81-07-02 | 1400 | 1 | 10. | 0. | 0.0 | 41. | 34.0 | 10.00 | 4.4 | 43.1 |
| 81-08-18 | 1400 | 1 | 5. | 0. | 0.0 | 49. | 40.0 | 13.00 | 5.3 | 54.3 |
| 81-11-11 | 1100 | 1 | 10. | 0. | 0.0 | 48. | 39.0 | 12.50 | 5.2 | 52.6 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-14 | 1500 | 1 | 2. | 70. | 2.3 | .9 | 2.5 | .14 | 11. | 1.5 |
| 80-04-08 | 1840 | 1 | L1. | 76. | 2.2 | .9 | 2.5 | .12 | 12. | 3.2 |
| 80-05-16 | 2200 | 1 | 1. | 67. | 2.1 | .9 | 2.3 | .14 | 10. | 1.4 |
| 80-06-15 | 1340 | 1 | 2. | 52. | 1.7 | .8 | 1.7 | .11 | 7. | 1.4 |
| 80-08-05 | 2030 | 1 | 3. | 59. | 2.0 | .9 | 2.1 | .11 | 8. | 1.4 |
| 80-09-18 | 1515 | 1 | 1. | 62. | 2.0 | .9 | 2.2 | .12 | 9. | 1.7 |
| 80-10-25 | 1600 | 1 | 1. | 61. | 1.9 | .8 | 2.0 | .12 | 9. | 1.4 |
| 80-11-26 | 1800 | 1 | 2. | 89. | 4.1 | .8 | 5.4 | .07 | 15. | 3.2 |
| 81-04-09 | 1450 | 1 | L1. | 79. | 2.4 | 1.1 | 2.6 | L.05 | 13. | 1.5 |
| 81-05-08 | 1520 | 1 | 1. | 76. | 2.6 | 1.1 | 2.7 | .06 | 12. | 1.7 |
| 81-07-02 | 1400 | 1 | 1. | 45. | 1.6 | .7 | 1.4 | .07 | 5. | 1.2 |
| 81-08-18 | 1400 | 1 | 4. | 55. | 1.7 | .8 | 1.8 | .12 | 7. | 1.3 |
| 81-11-11 | 1100 | 1 | 1. | 54. | 1.8 | .8 | 1.9 | .07 | 7. | 1.4 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-14 | 1500 | 1 | 10.0 | 4.0 | .10 | .05 | .21 | .01 | .22 | L.003 |
| 80-04-08 | 1840 | 1 | 9.0 | 3.0 | .07 | .05 | .19 | .02 | .21 | L.003 |
| 80-05-16 | 2200 | 1 | -- | 5.0 | .13 | .04 | .17 | -- | -- | L.003 |
| 80-06-15 | 1340 | 1 | -- | 4.0 | .18 | .03 | .16 | .04 | .20 | .004 |
| 80-08-05 | 2030 | 1 | -- | 4.0 | .18 | L.01 | .13 | .03 | .16 | L.003 |
| 80-09-18 | 1515 | 1 | -- | 5.0 | .20 | .06 | .15 | .04 | .19 | L.003 |
| 80-10-25 | 1600 | 1 | -- | 4.0 | .17 | .05 | .18 | .05 | .23 | L.003 |
| 80-11-26 | 1800 | 1 | -- | 2.0 | .21 | .17 | .25 | .04 | .29 | L.003 |
| 81-04-09 | 1450 | 1 | -- | -- | .13 | .15 | .21 | .03 | .24 | L.003 |
| 81-05-08 | 1520 | 1 | -- | 4.0 | .24 | .04 | .20 | .04 | .24 | L.003 |
| 81-07-02 | 1400 | 1 | -- | 4.8 | .16 | L.01 | .18 | .03 | .21 | .003 |
| 81-08-18 | 1400 | 1 | -- | 3.5 | .21 | L.01 | .15 | .04 | .19 | .003 |
| 81-11-11 | 1100 | 1 | -- | 3.7 | .14 | .04 | .17 | .02 | .19 | .007 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 00NN10JA0001 LAT. 65D 35M 44S LONG. 117D 45M 20S
CAMSELL RIVER AT OUTLET OF CLUT LAKE, NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-14 | 1500 | 1 | -- | -- | L.02 | L.0005 | L.0005 | L.01 | -- | L.04 |
| 80-04-08 | 1840 | 1 | .011 | Q.008 | .03 | L.0005 | L.0005 | -- | L.01 | -- |
| 80-05-16 | 2200 | 1 | .006 | Q.003 | L.02 | L.0005 | L.0005 | -- | L.01 | -- |
| 80-06-15 | 1340 | 1 | .010 | .006 | L.02 | L.0005 | L.0005 | -- | -- | -- |
| 80-08-05 | 2030 | 1 | .003 | QQ.000 | .03 | L.0005 | L.0005 | -- | -- | -- |
| 80-09-18 | 1515 | 1 | .008 | Q.005 | L.02 | L.0005 | L.0005 | L.01 | -- | .12 |
| 80-10-25 | 1600 | 1 | .008 | Q.005 | L.02 | L.0005 | L.0005 | L.01 | -- | L.04 |
| 80-11-26 | 1800 | 1 | L.003 | QQ.000 | .04 | L.0005 | L.0005 | L.01 | -- | L.04 |
| 81-04-09 | 1450 | 1 | .014 | Q.011 | .04 | L.0005 | L.0005 | L.01 | -- | L.04 |
| 81-05-09 | 1520 | 1 | .012 | Q.009 | .03 | L.0005 | L.0005 | L.01 | -- | L.04 |
| 81-07-02 | 1400 | 1 | -- | -- | .04 | L.0005 | L.0005 | L.01 | -- | .04 |
| 81-08-18 | 1400 | 1 | .016 | .013 | .02 | L.0005 | L.0005 | L.01 | -- | L.04 |
| 81-11-11 | 1100 | 1 | .031 | .024 | .03 | L.0005 | L.0005 | L.01 | -- | L.04 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 26104P IRON DISSOLVED FE MG/L | 29305P COPPER EXTRBLE. CU MG/L | 29020P COPPER TOTAL RECOVERABLE CU MG/L | 82302P LEAD EXTRBLE. PB MG/L | 82020P LEAD TOTAL RECOVERABLE PB MG/L | 30305P ZINC EXTRBLE. ZN MG/L | 30020P ZINC TOTAL RECOVERABLE ZN MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-01-14 | 1500 | 1 | -- | 003 | -- | L.004 | -- | L.001 | -- |
| 80-04-08 | 1840 | 1 | -- | -- | .005 | -- | L.004 | -- | .006 |
| 80-05-16 | 2200 | 1 | -- | -- | .002 | -- | L.004 | -- | .011 |
| 80-06-15 | 1340 | 1 | -- | -- | .001 | -- | L.004 | -- | .003 |
| 80-08-05 | 2030 | 1 | -- | -- | .001 | -- | L.004 | -- | .002 |
| 80-09-18 | 1515 | 1 | -- | -- | L.001 | -- | L.004 | -- | .006 |
| 80-10-25 | 1600 | 1 | -- | -- | .002 | -- | L.004 | -- | .002 |
| 80-11-26 | 1800 | 1 | -- | -- | L.001 | -- | L.004 | -- | .003 |
| 81-04-09 | 1450 | 1 | -- | -- | .003 | -- | L.004 | -- | -- |
| 81-05-09 | 1520 | 1 | -- | -- | .004 | -- | .011 | -- | -- |
| 81-07-02 | 1400 | 1 | -- | -- | L.001 | -- | L.004 | -- | .011 |
| 81-08-18 | 1400 | 1 | -- | -- | .011 | -- | L.004 | -- | .007 |
| 81-11-11 | 1100 | 1 | -- | -- | .001 | -- | L.004 | -- | .003 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE. CO MG/L | 27020P COBALT TOTAL RECOVERABLE CO MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-01-14 | 1500 | 1 | L.001 | -- | L.002 | -- | -- | L.05 | -- |
| 80-04-08 | 1840 | 1 | -- | .002 | -- | -- | -- | -- | L.05 |
| 80-05-16 | 2200 | 1 | -- | .002 | -- | .002 | .002 | -- | L.05 |
| 80-06-15 | 1340 | 1 | -- | L.001 | -- | .004 | .007 | -- | L.05 |
| 80-08-05 | 2030 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 80-09-18 | 1515 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 80-10-25 | 1600 | 1 | -- | L.001 | -- | L.002 | .004 | -- | L.05 |
| 80-11-26 | 1800 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 81-04-09 | 1450 | 1 | -- | L.001 | -- | .004 | -- | -- | L.05 |
| 81-05-09 | 1520 | 1 | -- | L.001 | -- | .005 | -- | -- | L.05 |
| 81-07-02 | 1400 | 1 | -- | L.001 | -- | L.002 | .004 | -- | L.05 |
| 81-08-18 | 1400 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 81-11-11 | 1100 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 48302P CADMIUM EXTRBLE. CD MG/L | 48020P CADMIUM TOTAL RECOVERABLE CD MG/L | 80011P MERCURY TOTAL HG UG/L |
|---|---|---|---|---|---|
| 80-01-14 | 1500 | 1 | L.001 | -- | .05 |
| 80-04-08 | 1840 | 1 | -- | -- | .03 |
| 80-05-16 | 2200 | 1 | -- | L.001 | L.02 |
| 80-06-15 | 1340 | 1 | -- | L.001 | .03 |
| 80-08-05 | 2030 | 1 | -- | L.001 | L.02 |
| 80-09-18 | 1515 | 1 | -- | L.001 | L.02 |
| 80-10-25 | 1600 | 1 | -- | L.001 | L.02 |
| 80-11-26 | 1800 | 1 | -- | L.001 | L.02 |
| 81-04-09 | 1450 | 1 | -- | L.001 | -- |
| 81-05-09 | 1520 | 1 | -- | .002 | -- |
| 81-07-02 | 1400 | 1 | -- | L.001 | -- |
| 81-08-18 | 1400 | 1 | -- | L.001 | -- |
| 81-11-11 | 1100 | 1 | -- | L.001 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - GGWK10JC0001 LAT 65D 8M 8S LONG 123D 30M 50S
GREAT BEAR RIVER AT OUTLET OF GREAT BEAR LAKE NEAR FORT FRANKLIN, NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C | 02061L TEMP. WATER DEG. C | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-02-28 | 1300 | 1 | 0.0 | 21.3 | -- | 206. | 7.6 | 7.7 | .3 | 10 |
| 80-04-08 | 1340 | 1 | 0.0 | 20.1 | -- | 200. | -- | 7.8 | 1.2 | 5. |
| 80-05-08 | 1450 | 1 | 3.0 | 17.9 | 151. | 167. | 7.6 | 7.8 | .3 | 5. |
| 80-06-15 | 1900 | 1 | 8.0 | 18.7 | 110. | 132. | 7.7 | 7.7 | .6 | 5. |
| 80-08-06 | 1220 | 1 | 8.0 | 21.6 | 185. | 189. | -- | 7.9 | .3 | 5. |
| 80-09-15 | 1700 | 1 | 6.0 | 19.8 | 164. | 179. | -- | 7.7 | 28.0 | 40. |
| 80-10-25 | 1130 | 1 | 0.0 | 18.4 | 145. | 170. | -- | 7.9 | 6.0 | 30. |
| 80-11-26 | 1330 | 1 | 0.0 | 22.0 | -- | 125. | -- | 7.8 | .5 | 30. |
| 81-02-14 | 1315 | 1 | 0.0 | 20.6 | -- | 194. | -- | 7.9 | .3 | 5. |
| 81-04-10 | 1025 | 1 | 0.0 | 22.6 | -- | 189. | -- | 8.2 | .5 | -- |
| 81-05-08 | 1035 | 1 | -- | 19.6 | -- | 178. | -- | 7.8 | .3 | -- |
| 81-07-02 | 1025 | 1 | 4.0 | 22.9 | -- | 146. | -- | 7.6 | .5 | -- |
| 81-08-18 | 0930 | 1 | 9.5 | 23.2 | 180. | 164. | 7.5 | 8.0 | .9 | -- |
| 81-11-10 | 1100 | 1 | 0.0 | 16.4 | 180. | 165. | -- | 7.8 | 2.5 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-02-28 | 1300 | 1 | -- | 0. | 0.0 | 78. | 62.0 06L | 19.00 | 8.8 | 83.7 |
| 80-04-08 | 1340 | 1 | -- | 0. | 0.0 | 73. | 60.0 | 17.10 | 7.8 | 74.8 |
| 80-05-08 | 1450 | 1 | -- | 0. | 0.0 | 72. | 59.0 | 17.10 | 7.5 | 73.6 |
| 80-06-15 | 1900 | 1 | -- | 0. | 0.0 | 52. | 43.0 | 13.00 | 5.6 | 55.5 |
| 80-08-06 | 1220 | 1 | -- | 0. | 0.0 | 66. | 54.0 | 16.10 | 6.9 | 68.6 |
| 80-09-15 | 1700 | 1 | -- | 0. | 0.0 | 74. | 61.0 | 19.20 | 8.5 | 82.9 |
| 80-10-25 | 1130 | 1 | -- | 0. | 0.0 | 72. | 59.0 | 17.50 | 6.7 | 71.3 |
| 80-11-26 | 1330 | 1 | -- | 0. | 0.0 | 56. | 46.0 | 13.40 | 5.6 | 58.5 |
| 81-02-14 | 1315 | 1 | -- | 0. | 0.0 | 74. | 61.0 | 18.30 | 7.3 | 75.8 |
| 81-04-10 | 1025 | 1 | 10. | 0. | 0.0 | 73. | 60.0 | 18.50 | 9.0 | 83.3 |
| 81-05-08 | 1035 | 1 | 5. | 0. | 0.0 | 70. | 57.0 | 17.80 | 7.4 | 74.4 |
| 81-07-02 | 1025 | 1 | 5. | 0. | 0.0 | 57. | 47.0 | 13.30 | 5.9 | 57.5 |
| 81-08-18 | 0930 | 1 | 10. | 0. | 0.0 | 66. | 54.0 | 16.30 | 7.1 | 68.9 |
| 81-11-10 | 1100 | 1 | 5. | 0. | 0.0 | 71. | 58.0 | 17.80 | 7.7 | 76.2 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-02-28 | 1300 | 1 | -- | -- | 4.7 | -- | -- | .11 | 16. | 2.9 |
| 80-04-08 | 1340 | 1 | 11. | 89. | 4.4 | .8 | 5.3 | .09 | 15. | 2.9 |
| 80-05-08 | 1450 | 1 | 2. | 88. | 4.3 | .7 | 4.9 | .08 | 15. | 2.8 |
| 80-06-15 | 1900 | 1 | 11. | 66. | 3.2 | .6 | 3.9 | .08 | 12. | 1.8 |
| 80-08-06 | 1220 | 1 | 3. 01R | 81. | 4.2 | .7 | 4.9 | .07 | 13. | 2.6 |
| 80-09-15 | 1700 | 1 | 183. | 89. | 3.1 | .6 | 4.1 | .08 | 14. | 2.5 |
| 80-10-25 | 1130 | 1 | 20. | 86. | 3.8 | .8 | 4.8 | .09 | 14. | 2.5 |
| 80-11-26 | 1330 | 1 | 1. | 62. | 2.0 | .9 | 2.3 | .09 | 9. | 1.5 |
| 81-02-14 | 1315 | 1 | 11. | 92. | 4.2 | .8 | 5.6 | .08 | 16. | 2.8 |
| 81-04-10 | 1025 | 1 | 1. | 94. | 4.8 | .8 | 5.5 | L.05 | 16. | 2.9 |
| 81-05-08 | 1035 | 1 | 11. | 87. | 4.3 | .8 | 5.3 | L.05 | 15. | 2.7 |
| 81-07-02 | 1025 | 1 | 2. | 70. | 3.7 | 1.0 | 4.6 | .10 | 11. | 2.1 |
| 81-08-18 | 0830 | 1 | 2. | 80. | 3.8 | .7 | 4.8 | .08 | 13. | 2.3 |
| 81-11-10 | 1100 | 1 | 9. | 88. | 4.2 | .7 | 5.2 | L.05 | 15. | 2.8 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-02-28 | 1300 | 1 | 11.0 | 1.0 | .06 | .21 | .28 | .02 | .30 | L.003 |
| 80-04-08 | 1340 | 1 | 10.0 | 2.0 | .05 | .18 | .24 | .01 | .25 | L.003 |
| 80-05-08 | 1450 | 1 | -- | 2.0 | .03 | .17 | .23 | L.01 | 0.24 | L.003 |
| 80-06-15 | 1900 | 1 | -- | 2.0 | .11 | .10 | .18 | .03 | .21 | L.003 |
| 80-08-06 | 1220 | 1 | -- | 2.0 04R | .17 02R | .14 10R | .18 51R | .02 02R | .20 | L.003 03R |
| 80-08-15 | 1700 | 1 | -- | 5.0 | .71 | .08 | .27 | .37 | 64 | .004 |
| 80-10-25 | 1130 | 1 | -- | 3.0 | .96 | .14 | .22 | .08 | .30 | L.003 |
| 80-11-26 | 1330 | 1 | -- | 4.0 | .17 | .03 | .26 | .03 | .29 | L.003 |
| 81-02-14 | 1315 | 1 | -- | -- | -- | -- | -- | -- | -- | .026 |
| 81-04-10 | 1025 | 1 | -- | -- | .06 | .16 | .25 | L.01 | 0.26 | L.003 |
| 81-05-08 | 1035 | 1 | -- | 2.0 | .05 | .17 | .23 | L.01 | 0.24 | L.003 |
| 81-07-02 | 1025 | 1 | -- | 1.8 | .15 | .13 | .28 | .02 | .30 | L.003 |
| 81-08-18 | 0830 | 1 | -- | 1.3 | .19 | .12 | .18 | .03 | .21 | L.003 |
| 81-11-10 | 1100 | 1 | -- | 1.7 | .54 | .15 | .21 | .04 | .25 | L.003 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 00NW10JC0001 LAT. 65D 8M 8S LONG. 123D 30M 50S
GREAT BEAR RIVER AT OUTLET OF GREAT BEAR LAKE NEAR FORT FRANKLIN, NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-02-28 | 1300 | 1 | L.003 | 00.000 | .06 | L.0005 | L.0005 | L.01 | -- | .10 |
| 80-04-08 | 1340 | 1 | .003 | 00.000 | .03 | L.0005 | L.0005 | -- | L.01 | -- |
| 80-05-08 | 1450 | 1 | .010 | 0.007 | .03 | L.0005 | L.0005 | -- | L.01 | -- |
| 80-06-15 | 1900 | 1 | .003 | 00.000 | L.02 | L.0005 | L.0005 | -- | -- | -- |
| 80-08-06 | 1220 | 1 | L.003 06R | 00.000 | -- | -- | -- | -- | -- | -- |
| 80-09-15 | 1700 | 1 | .070 | .066 | .04 | L.0005 | L.0005 | .15 | -- | 2.00 |
| 80-10-25 | 1130 | 1 | .011 | 0.008 | .04 | L.0005 | L.0005 | .02 | -- | .22 |
| 80-11-26 | 1330 | 1 | .003 | 00.000 | .03 | L.0005 | L.0005 | L.01 | -- | .05 |
| 81-02-14 | 1315 | 1 | -- | -- | .04 | L.0005 | L.0005 | L.01 | -- | .05 |
| 81-04-10 | 1025 | 1 | .006 | 0.003 | .04 | L.0005 | .0005 | L.01 | -- | L.04 |
| 81-05-09 | 1035 | 1 | L.003 | 00.000 | .03 | L.0005 | L.0005 | L.01 | -- | .32 |
| 81-07-02 | 1025 | 1 | .015 | 0.012 | .06 | L.0005 | L.0005 | L.01 | -- | .06 |
| 81-08-18 | 0930 | 1 | -- | -- | .02 | L.0005 | L.0005 | L.01 | -- | L.04 |
| 81-11-10 | 1100 | 1 | .027 | 0.024 | .04 | L.0005 | L.0005 | L.01 | -- | .11 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 26104P IRON DISSOLVED FE MG/L | 29305P COPPER EXTRBLE. CU MG/L | 29020P COPPER TOTAL RECOVERABLE CU MG/L | 82302P LEAD EXTRBLE. PB MG/L | 82020P LEAD TOTAL RECOVERABLE PB MG/L | 30305P ZINC EXTRBLE. ZN MG/L | 30020P ZINC TOTAL RECOVERABLE ZN MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-02-28 | 1300 | 1 | -- | .001 | -- | L.004 | -- | .005 | -- |
| 80-04-08 | 1340 | 1 | -- | -- | .004 | -- | L.004 | -- | .003 |
| 80-05-08 | 1450 | 1 | -- | -- | .001 | -- | L.004 | -- | .005 |
| 80-06-15 | 1900 | 1 | -- | -- | .001 | -- | L.004 | -- | .008 |
| 80-08-06 | 1220 | 1 | -- | -- | .001 20W | -- | L.004 20W | -- | .001 20W |
| 80-09-15 | 1700 | 1 | -- | -- | .004 | -- | L.004 | -- | .014 |
| 80-10-25 | 1130 | 1 | -- | -- | .002 | -- | L.004 | -- | .005 |
| 80-11-26 | 1330 | 1 | -- | -- | .001 | -- | L.004 | -- | .004 |
| 81-02-14 | 1315 | 1 | -- | -- | .004 | -- | L.004 | -- | .009 |
| 81-04-10 | 1025 | 1 | -- | -- | .001 | -- | L.004 | -- | -- |
| 81-05-09 | 1035 | 1 | -- | -- | .002 | -- | L.004 | -- | -- |
| 81-07-02 | 1025 | 1 | -- | -- | .002 | -- | L.004 | -- | L.001 |
| 81-08-18 | 0830 | 1 | -- | -- | .002 | -- | .013 | -- | .013 |
| 81-11-10 | 1100 | 1 | -- | -- | .001 | -- | L.004 | -- | L.001 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 00NW10JC0001 LAT. 65D 0M 0S LONG. 123D 30M 60S
GREAT BEAR RIVER AT OUTLET OF GREAT BEAR LAKE NEAR FORT FRANKLIN, NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE. CO MG/L | 27020P COBALT TOTAL RECOVERABLE CO MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-02-28 | 1300 | 1 | L.001 | -- | L.002 | -- | -- | L.05 | -- |
| 80-04-08 | 1340 | 1 | -- | .006 | -- | -- | -- | -- | L.05 |
| 80-06-08 | 1450 | 1 | -- | L.C01 | -- | L.002 | L.002 | -- | L.05 |
| 80-06-15 | 1900 | 1 | -- | L.001 | -- | .003 | .003 | -- | .05 |
| 80-08-06 | 1220 | 1 | -- | L.001 20W | -- | L.002 20W | -- | -- | L.05 20W |
| 80-08-15 | 1700 | 1 | -- | .007 | -- | L.002 | .005 | -- | L.05 |
| 80-10-25 | 1130 | 1 | -- | L.001 | -- | L.002 | .003 | -- | L.05 |
| 80-11-26 | 1330 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 81-02-14 | 1315 | 1 | -- | L.001 | -- | L.002 | .003 | -- | L.05 |
| 81-04-10 | 1025 | 1 | -- | L.001 | -- | .004 | -- | -- | L.05 |
| 81-05-08 | 1025 | 1 | -- | L.001 | -- | L.002 | -- | -- | L.05 |
| 81-07-02 | 1025 | 1 | -- | L.001 | -- | L.002 | .003 | -- | L.05 |
| 81-08-18 | 0830 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 81-11-10 | 1100 | 1 | -- | L.001 | -- | L.002 | .002 | -- | L.05 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 48302P CADMIUM EXTRBLE. CD MG/L | 48020P CADMIUM TOTAL RECOVERABLE CD MG/L | 80011P MERCURY TOTAL HG UG/L |
|---|---|---|---|---|---|
| 80-02-28 | 1300 | 1 | L.001 | -- | -- |
| 80-04-08 | 1340 | 1 | -- | -- | L.02 |
| 80-06-08 | 1450 | 1 | -- | L.001 | .02 |
| 80-06-15 | 1900 | 1 | -- | L.001 | .02 |
| 80-08-06 | 1220 | 1 | -- | L.001 20W | L.02 11W |
| 80-08-15 | 1700 | 1 | -- | L.001 | L.02 |
| 80-10-25 | 1130 | 1 | -- | L.001 | L.02 |
| 80-11-26 | 1330 | 1 | -- | L.001 | L.02 |
| 81-02-14 | 1315 | 1 | -- | L.001 | L.02 |
| 81-04-10 | 1025 | 1 | -- | L.001 | -- |
| 81-05-08 | 1025 | 1 | -- | L.001 | -- |
| 81-07-02 | 1025 | 1 | -- | L.001 | -- |
| 81-08-18 | 0830 | 1 | -- | L.001 | -- |
| 81-11-10 | 1100 | 1 | -- | L.001 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 09MH10XA0001 LAT. 65D 18M 04S LONG. 126D 50M 07S
MACKENZIE RIVER AT NORMAN WELLS. NORTHWEST TERRITORIES

| DATE YRD/MM/ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C. | 02061L TEMP. WATER DEG. C. | 02041F SPECIFIC CONDUCT. US/CM | 02041L SPECIFIC CONDUCT. US/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-02-28 | 1806 | 1 | 0.0 | 21.7 | 200. | 244. | -- | 7.8 | 3.6 | 10. |
| 80-04-10 | 1710 | 1 | 0.0 | 20.5 | -- | 256. | -- | 7.9 | 1.6 | 5. |
| 80-05-21 | 2100 | 1 | 10.0 | 21.9 | 245. | 266. | 7.7 | 8.0 | 65.0 | 80. |
| 80-06-18 | 2100 | 1 | 15.0 | 21.0 | 190. | 246. | 8.0 | 8.0 | 140.0 | 160. |
| 80-07-28 | 1630 | 1 | 15.0 | 22.0 | 200. | 254. | -- | 8.1 | 235.0 | 400. |
| 80-09-17 | 1130 | 1 | 7.0 | 21.0 | 225. | 273. | -- | 8.1 | 26.0 | 40. |
| 80-10-27 | 1330 | 1 | 3.0 | 18.0 | 210. | 264. | -- | 8.0 | 14.0 | -- |
| 80-12-01 | 1300 | 1 | 0.0 | 22.0 | 220. | 290. | -- | 8.1 | 4.0 | 20. |
| 81-01-06 | 1320 | 1 | 0.0 | 18.8 | 225. | 245. | -- | 8.0 | 1.4 | 10. |
| 81-02-14 | 1800 | 1 | 0.0 | 20.8 | -- | 247. | -- | 7.9 | 1.0 | 5. |
| 81-04-07 | 1110 | 1 | 0.0 | 20.5 | 360 | 354. | 8.4 | 7.9 | 3.5 | -- |
| 81-05-12 | 0945 | 1 | 2.0 | 18.2 | -- | 252. | -- | 7.8 | 115.0 | -- |
| 81-07-06 | 1245 | 1 | 15.0 | 23.1 | 250. | 247. | 7.9 | 8.1 | 28.0 | -- |
| 81-08-20 | 1300 | 1 | 18.0 | 22.7 | 280. | 264. | -- | 8.2 | .7 | -- |
| 81-10-15 | 0840 | 1 | 3.0 | 21.0 | 245. | 265. | -- | 8.0 | 16.0 | -- |
| 81-11-18 | 1130 | 1 | 0.0 | 14.3 | 280. | 258. | -- | 7.8 | 4.0 | -- |

| DATE YRD/MM/ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06301L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-02-28 | 1806 | 1 | -- | 0. | 0.0 | 168. | 138.0 ORI | 26.80 | 9.1 | 104.4 |
| 80-04-10 | 1710 | 1 | -- | 0. | 0.0 | 91. | 75.0 | 23.90 | 8.3 | 93.9 |
| 80-05-21 | 2100 | 1 | -- | 0. | 0.0 | 102. | 84.0 | 32.00 | 8.6 | 115.3 |
| 80-06-18 | 2100 | 1 | -- | 0. | 0.0 | 93. | 76.0 | 29.50 | 6.9 | 102.1 |
| 80-07-28 | 1630 | 1 | -- | 0. | 0.0 | 102. | 84.0 | 29.90 | 8.3 | 108.8 |
| 80-09-17 | 1130 | 1 | -- | 0. | 0.0 | 104. | 85.0 | 31.50 | 9.4 | 117.4 |
| 80-10-27 | 1330 | 1 | -- | 0. | 0.0 | 102. | 84.0 | 30.90 | 8.0 | 105.1 |
| 80-12-01 | 1300 | 1 | -- | 0. | 0.0 | 99. | 81.0 | 28.80 | 9.7 | 111.9 |
| 81-01-06 | 1320 | 1 | -- | 0. | 0.0 | 90. | 74.0 | 25.00 | 9.2 | 100.3 |
| 81-02-14 | 1800 | 1 | -- | 0. | 0.0 | 87. | 71.0 | 23.80 | 8.1 | 92.8 |
| 81-04-07 | 1110 | 1 | 20. | 0. | 0.0 | 122. | 100.0 | 41.00 | 11.0 | 147.7 |
| 81-05-12 | 0945 | 1 | 80. | 0. | 0.0 | 98. | 80.0 | 31.50 | 8.0 | 111.6 |
| 81-07-06 | 1245 | 1 | 20. | 0. | 0.0 | 98. | 80.0 | 30.50 | 8.1 | 104.5 |
| 81-08-20 | 1300 | 1 | 10. | 0. | 0.0 | 105. | 86.0 | 31.20 | 8.7 | 113.7 |
| 81-10-15 | 0840 | 1 | 20. | 0. | 0.0 | 102. | 84.0 | 30.20 | 8.5 | 112.1 |
| 81-11-18 | 1130 | 1 | 10. | 0. | 0.0 | 94. | 77.0 | 27.70 | 9.4 | 107.9 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 00HH10KA0001 LAT. 65D 18M 54S LONG. 126D 50M 57S
MACKENZIE RIVER AT NORMAN WELLS. NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-02-26 | 1606 | 1 | 4. | 162. | 7.4 | 1.5 | 9.1 | .09 | 22. | 3.6 |
| 80-04-10 | 1710 | 1 | 1. | 119. | 6.8 | .8 | 8.7 | [.09 | 22. | 3.6 |
| 80-05-21 | 2100 | 1 | 113. | 138. | 7.9 | 1.0 | 8.5 | .09 | 26. | 3.5 |
| 80-06-18 | 2100 | 1 | 271. | 121. | 5.8 | .8 | 6.6 | .06 | 22. | 3.7 |
| 80-07-28 | 1630 | 1 | 345. | 131. | 5.9 | .7 | 6.5 | .09 | 26. | 3.4 |
| 80-09-17 | 1130 | 1 | 54. | 139. | 7.7 | .8 | 9.2 | .08 | 26. | 3.3 |
| 80-10-27 | 1330 | 1 | 19. | 130. | 7.1 | .8 | 8.7 | .07 | 23. | 3.4 |
| 80-12-01 | 1300 | 1 | 10. | 138. | 9.7 | 1.0 | 13.0 | .08 | 24. | 3.4 |
| 81-01-06 | 1320 | 1 | L1. | 121. | 7.7 | .8 | 9.3 | .10 | 21. | 3.2 |
| 81-02-14 | 1800 | 1 | 1. | 118. | 7.8 | .9 | 10.0 | .10 | 22. | 3.2 |
| 81-04-07 | 1110 | 1 | 3. | 176. | 12.0 | 1.1 | 10.0 | L.05 | 32. | 4.4 |
| 81-06-13 | 0845 | 1 | 132. | 134. | 7.0 | 1.2 | 7.4 | .10 | 27. | 3.6 |
| 81-07-06 | 1245 | 1 | 67. | 126. | 6.8 | .9 | 7.1 | .09 | 23. | 3.4 |
| 81-08-20 | 1200 | 1 | 10. | 139. | 7.5 | .8 | 9.0 | .13 | 27. | 3.3 |
| 81-10-15 | 0840 | 1 | 22. | 137. | 8.4 | .8 | 9.3 | .08 | 26. | 3.0 |
| 81-11-16 | 1130 | 1 | 9. | 134. | 9.0 | .9 | 11.0 | .06 | 26. | 3.4 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-02-26 | 1606 | 1 | 13.0 | 3.0 | .06 | .18 | .29 | .03 | .32 | L.003 |
| 80-04-10 | 1710 | 1 | 12.0 | 2.0 | .14 | .18 | .24 | .02 | .26 | L.003 |
| 80-05-21 | 2100 | 1 | -- | 6.0 | 2.60 | .05 | .18 | .21 | .39 | .009 |
| 80-06-18 | 2100 | 1 | -- | 5.0 | 7.10 | -- | .14 | .38 | .52 | .007 |
| 80-07-28 | 1630 | 1 | -- | 4.0 | 8.10 | .04 | .19 | .59 | .78 | .014 |
| 80-09-17 | 1130 | 1 | -- | 4.0 | .20 | .07 | .19 | .15 | .34 | .004 |
| 80-10-27 | 1330 | 1 | -- | 3.0 | .57 | .10 | .20 | .07 | .27 | L.003 |
| 80-12-01 | 1300 | 1 | -- | 3.0 | .38 | .14 | .23 | .03 | .26 | L.003 |
| 81-01-06 | 1320 | 1 | -- | 3.0 | .11 | .15 | .23 | .03 | .26 | L.003 |
| 81-02-14 | 1800 | 1 | -- | 2.0 | .07 | .15 | .24 | .03 | .27 | L.003 |
| 81-04-07 | 1110 | 1 | -- | -- | .22 | .11 | L.01 | .04 | Q.05 | L.003 |
| 81-06-13 | 0845 | 1 | -- | 8.4 | 3.40 | [.08 | .31 | .32 | .63 | .013 |
| 81-07-06 | 1245 | 1 | -- | 4.3 | 1.70 | .05 | .20 | .13 | .33 | .003 |
| 81-08-20 | 1200 | 1 | -- | 2.9 | .34 | .03 | .13 | .05 | .18 | L.003 |
| 81-10-15 | 0840 | 1 | -- | 4.5 | .87 | [.06 | .30 | L.01 | Q.31 | L.003 |
| 81-11-16 | 1130 | 1 | -- | 3.3 | .29 | .14 | .25 | .02 | .27 | .005 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 10HH10KA0001 LAT. 65D 18M 54S LONG. 128D 50M 57S
MACKENZIE RIVER AT NORMAN WELLS. NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-02-28 | 1606 | 1 | L.003 | Q0.000 | .06 | L.0005 | L.0005 | L.01 | -- | .09 |
| 80-03-07 | 1229 | 1 | -- | -- | -- | -- | -- | L.01 | -- | .05 |
| | 1230 | 1 | -- | -- | -- | -- | -- | L.01 | -- | .05 |
| | 1231 | 1 | -- | -- | -- | -- | -- | L.01 | -- | .05 |
| 80-04-10 | 1710 | 1 | L.003 | Q0.000 | .03 | L.0005 | L.0005 | -- | L.01 | -- |
| 80-05-21 | 2100 | 1 | -- | -- | .06 | L.0005 | L.0005 | -- | L.01 | -- |
| 80-06-18 | 2100 | 1 | .260 | .253 | .04 | L.0005 | L.0005 | -- | -- | -- |
| 80-07-28 | 1630 | 1 | .300 | .286 | .05 | L.0005 | L.0005 | -- | -- | -- |
| 80-09-17 | 1130 | 1 | .039 | .035 | .04 | L.0005 | L.0005 | .03 | -- | 1.10 |
| 80-10-27 | 1330 | 1 | .015 | Q.012 | .04 | L.0005 | L.0005 | .01 | -- | .24 |
| 80-12-01 | 1300 | 1 | .036 | Q.033 | .05 | L.0005 | L.0005 | .03 | -- | .86 |
| 81-01-06 | 1320 | 1 | .280 | Q.277 | .04 | L.0005 | L.0005 | L.01 | -- | L.04 |
| 81-02-14 | 1800 | 1 | L.003 | Q0.000 | .06 | L.0005 | L.0005 | -- | -- | -- |
| 81-04-07 | 1110 | 1 | .003 | Q0.000 | .05 | L.0005 | L.0005 | L.01 | -- | .08 |
| 81-05-13 | 0945 | 1 | .130 | .117 | .10 | L.0005 | L.0005 | .08 | -- | 1.80 |
| 81-07-05 | 1245 | 1 | .069 | .066 | .04 | L.0005 | L.0005 | .04 | -- | .93 |
| 81-08-20 | 1200 | 1 | .012 | Q.009 | .04 | L.0005 | L.0005 | .02 | -- | .22 |
| 81-10-15 | 0840 | 1 | .023 | Q.020 | .05 | L.0005 | L.0005 | .01 | -- | .62 |
| 81-11-16 | 1130 | 1 | .026 | .021 | .04 | L.0005 | L.0005 | L.01 | -- | .10 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 26104P IRON DISSOLVED FE MG/L | 29305P COPPER EXTRBLE. CU MG/L | 29020P COPPER TOTAL RECOVERABLE CU MG/L | 82302P LEAD EXTRBLE. PB MG/L | 82020P LEAD TOTAL RECOVERABLE PB MG/L | 30305P ZINC EXTRBLE. ZN MG/L | 30020P ZINC TOTAL RECOVERABLE ZN MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-02-28 | 1606 | 1 | -- | .003 | -- | L.004 | -- | .006 | -- |
| 80-03-07 | 1229 | 1 | -- | .001 | -- | L.004 | -- | .021 | -- |
| | 1230 | 1 | -- | .001 | -- | L.004 | -- | .005 | -- |
| | 1231 | 1 | -- | .001 | -- | L.004 | -- | .029 | -- |
| 80-04-10 | 1710 | 1 | -- | -- | .006 | -- | L.004 | -- | .018 |
| 80-05-21 | 2100 | 1 | -- | -- | .005 | -- | L.004 | -- | .024 |
| 80-06-18 | 2100 | 1 | -- | -- | .009 | -- | L.004 | -- | .044 |
| 80-07-28 | 1630 | 1 | -- | -- | .012 | -- | L.004 | -- | .049 |
| 80-09-17 | 1130 | 1 | -- | -- | .001 | -- | L.004 | -- | .012 |
| 80-10-27 | 1330 | 1 | -- | -- | .002 | -- | L.004 | -- | .004 |
| 80-12-01 | 1300 | 1 | -- | -- | L.001 | -- | L.004 | -- | .003 |
| 81-01-06 | 1320 | 1 | -- | -- | L.001 | -- | L.004 | -- | .008 |
| 81-04-07 | 1110 | 1 | -- | -- | .004 | -- | L.004 | -- | -- |
| 81-05-13 | 0945 | 1 | -- | -- | .007 | -- | .004 | -- | -- |
| 81-07-05 | 1245 | 1 | -- | -- | .024 | -- | L.004 | -- | .024 |
| 81-08-20 | 1200 | 1 | -- | -- | L.001 | -- | L.004 | -- | .016 |
| 81-10-15 | 0840 | 1 | -- | -- | .002 | -- | L.004 | -- | .009 |
| 81-11-16 | 1130 | 1 | -- | -- | .001 | -- | L.004 | -- | L.001 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - GONN10KA0001 LAT. 65D 18M 54S LONG. 126D 50M 57S
MACKENZIE RIVER AT NORMAN WELLS. NORTHWEST TERRITORIES

| DATE YR/MO/DAY | TIME/ HEURE | SUB-ID/ SOUS-ID | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE. CO MG/L | 27020P COBALT TOTAL RECOVERABLE CO MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-02-28 | 1606 | 1 | L.001 | -- | L.002 | -- | -- | L.05 | -- |
| 80-03-07 | 1229 | 1 | L.001 | -- | L.002 | -- | -- | L.05 | -- |
| | 1230 | 1 | L.001 | -- | L.002 | -- | -- | L.05 | -- |
| | 1231 | 1 | L.001 | -- | L.002 | -- | -- | L.05 | -- |
| 80-04-10 | 1710 | 1 | -- | .009 | -- | -- | -- | -- | L.05 |
| 80-05-21 | 2100 | 1 | -- | L.001 | -- | .006 | .012 | -- | .11 |
| 80-06-18 | 2100 | 1 | -- | .012 | -- | .008 | .016 | -- | .15 |
| 80-07-28 | 1630 | 1 | -- | .005 | -- | .007 | .018 | -- | .13 |
| 80-08-17 | 1130 | 1 | -- | .003 | -- | L.002 | .002 | -- | .05 |
| 80-10-27 | 1330 | 1 | -- | .001 | -- | L.002 | .005 | -- | .05 |
| 80-12-01 | 1300 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | .05 |
| 81-01-06 | 1320 | 1 | -- | .004 | -- | .005 | .005 | -- | .05 |
| 81-04-07 | 1110 | 1 | -- | L.001 | -- | L.002 | -- | -- | .09 |
| 81-06-13 | 0845 | 1 | -- | .001 | -- | .004 | -- | -- | .19 |
| 81-07-06 | 1245 | 1 | -- | L.001 | -- | L.002 | .007 | -- | .09 |
| 81-08-20 | 1200 | 1 | -- | .001 | -- | L.002 | L.002 | -- | .06 |
| 81-10-15 | 0840 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | .05 |
| 81-11-18 | 1130 | 1 | -- | L.001 | -- | L.002 | .002 | -- | .05 |

| DATE | TIME/ | SUB-ID/ | 48302P CADMIUM EXTRBLE. | 48020P CADMIUM TOTAL RECOVERABLE | 80011P MERCURY TOTAL |
|---|---|---|---|---|---|
| YR/MO/DAY | HEURE | SOUS-ID | CD MG/L | CD MG/L | HG UG/L |
| 80-02-28 | 1606 | 1 | L.001 | -- | -- |
| 80-03-07 | 1229 | 1 | L.001 | -- | -- |
| | 1230 | 1 | L.001 | -- | -- |
| | 1231 | 1 | L.001 | -- | -- |
| 80-04-10 | 1710 | 1 | -- | -- | .02 |
| 80-05-21 | 2100 | 1 | -- | L.001 | .03 |
| 80-06-18 | 2100 | 1 | -- | L.001 | .02 |
| 80-07-28 | 1630 | 1 | -- | L.001 | .08 |
| 80-08-17 | 1130 | 1 | -- | L.001 | L.02 |
| 80-10-27 | 1330 | 1 | -- | L.001 | L.02 |
| 80-12-01 | 1300 | 1 | -- | L.001 | .02 |
| 81-01-06 | 1320 | 1 | -- | .001 | L.02 |
| 81-04-07 | 1110 | 1 | -- | L.001 | -- |
| 81-06-13 | 0845 | 1 | -- | L.001 | -- |
| 81-07-06 | 1245 | 1 | -- | L.001 | -- |
| 81-08-20 | 1200 | 1 | -- | .001 | -- |
| 81-10-15 | 0840 | 1 | -- | L.001 | -- |
| 81-11-18 | 1130 | 1 | -- | L.001 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 00NW10LA0003 LAT. 67D 21M 29S LONG. 133D 33M 29S
MACKENZIE RIVER ABOVE ARCTIC RED RIVER NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C. | 02061L TEMP. WATER DEG. C. | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-23 | 1245 | 1 | 0.0 | 21.0 | 350. | 367. | -- | 7.9 | 3.5 | 10. |
| 80-05-15 | 1700 | 1 | 1.0 | 19.0 | 210. | 240. | 7.7 | 7.9 | 45.0 | 80. |
| 80-06-08 | 1600 | 1 | 13.0 | 20.5 | 230. | 259. | 8.0 | 8.0 | 26.0 | 50. |
| 80-07-10 | 1615 | 1 | 18.0 | 21.2 | 260. | 274. | 7.8 | 8.1 | 116.0 | 110. |
| 80-07-28 | 1555 | 1 | 15.0 | 22.1 | 260. | 270. | 8.1 | 8.0 | 170.0 | 200. |
| 80-08-12 | 1530 | 1 | 17.0 | 19.6 | 230. | 271. | -- | 8.0 | 120.0 | 150. |
| 80-09-16 | 1340 | 1 | 8.0 | 23.0 | 275. | 302. | 8.1 | 8.2 | 22.0 | 60. |
| 80-10-21 | 1650 | 1 | 0.0 | 18.9 | 250. | 295. | -- | 8.1 | 27.0 | 60. |
| 80-12-18 | 1400 | 1 | 0.0 | 23.2 | -- | 401. | -- | 7.9 | 5.6 | 50. |
| 81-02-26 | 1840 | 1 | 0.0 | 22.4 | 310. | 358. | 7.6 | 7.9 | 6.8 | 10. |
| 81-03-26 | 1600 | 1 | 0.0 | 18.4 | 310. | 354. | 7.6 | 7.8 | 4.4 | -- |
| 81-04-22 | 1540 | 1 | 0.0 | 19.1 | -- | 348. | -- | 8.0 | 3.2 | -- |
| 81-05-20 | 1200 | 1 | 1.0 | 21.4 | 220. | 236. | 7.9 | 7.8 | 190.0 | -- |
| 81-06-25 | 1430 | 1 | 14.0 | 20.4 | 220. | 251. | 7.7 | 8.0 | 52.0 | -- |
| 81-07-23 | 1200 | 1 | 17.0 | 20.5 | 210. | 273. | -- | 8.1 | 31.0 | -- |
| 81-08-25 | 1715 | 1 | 16.0 | 20.9 | 250. | 291. | 8.1 | 8.2 | 23.0 | -- |
| 81-10-27 | 1100 | 1 | 0.0 | 22.9 | 240. | 301. | 7.6 | 8.0 | 17.0 | -- |
| 81-12-07 | 1201 | 1 | 0.0 | 21.6 | -- | 319. | -- | 7.9 | 84.0 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-23 | 1245 | 1 | -- | 0. | 0.0 | 137. | 112.0 06L | 43.40 | 10.8 | 152.8 |
| 80-05-15 | 1700 | 1 | -- | 0. | 0.0 | 90. | 74.0 | 29.10 | 7.8 | 104.8 |
| 80-06-08 | 1600 | 1 | -- | 0. | 0.0 | 96. | 79.0 | 30.20 | 7.9 | 107.9 |
| 80-07-10 | 1615 | 1 | -- | 0. | 0.0 | 106. | 87.0 | 32.50 | 8.3 | 115.3 |
| 80-07-28 | 1555 | 1 | -- | 0. | 0.0 | 110. | 90.0 | 34.30 | 8.8 | 121.9 |
| 80-08-12 | 1530 | 1 | -- | 0. | 0.0 | 106. | 87.0 | 34.40 | 9.6 | 125.4 |
| 80-09-16 | 1340 | 1 | -- | 0. | 0.0 | 116. | 95.0 | 36.00 | 9.9 | 130.7 |
| 80-10-21 | 1650 | 1 | -- | 0. | 0.0 | 115. | 94.0 | 34.80 | 9.0 | 124.0 |
| 80-12-18 | 1400 | 1 | -- | 0. | 0.0 | 128. | 105.0 | 42.80 | 11.5 | 154.2 |
| 81-02-26 | 1840 | 1 | -- | 0. | 0.0 | 128. | 105.0 | 41.00 | 10.6 | 148.0 |
| 81-03-26 | 1600 | 1 | 10. | 0. | 0.0 | 123. | 101.0 | 39.50 | 9.8 | 139.0 |
| 81-04-22 | 1540 | 1 | 10. | 0. | 0.0 | 123. | 101.0 | 41.00 | 11.5 | 149.7 |
| 81-05-20 | 1200 | 1 | 80. | 0. | 0.0 | 89. | 73.0 | 31.40 | 4.2 | 95.7 |
| 81-06-25 | 1430 | 1 | 20. | 0. | 0.0 | 102. | 84.0 | 31.40 | 7.8 | 110.5 |
| 81-07-23 | 1200 | 1 | 20. | 0. | 0.0 | 106. | 87.0 | 34.00 | 8.6 | 120.3 |
| 81-08-25 | 1715 | 1 | 10. | 0. | 0.0 | 115. | 94.0 | 35.80 | 8.9 | 126.0 |
| 81-10-27 | 1100 | 1 | 20. | 0. | 0.0 | 116. | 95.0 | 37.50 | 9.9 | 134.4 |
| 81-12-07 | 1201 | 1 | 20. | 0. | 0.0 | 123. | 101.0 | 41.10 | 10.3 | 145.0 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - **OONN10LA0003** LAT. 67D 21M 29S LONG. 133D 33M 29S
MACKENZIE RIVER ABOVE ARCTIC RED RIVER NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-23 | 1245 | 1 | 5. | 188. | 12.0 | 1.2 | 13.0 | .14 | 36. | 4.6 |
| 80-05-15 | 1700 | 1 | -- | 110. | 2.1 | .9 | 2.3 | .08 | 22. | 1.4 |
| 80-06-09 | 1800 | 1 | 60. | 128. | 6.8 | .9 | 7.4 | .08 | 24. | 3.3 |
| 80-07-10 | 1615 | 1 | 97. | 139. | 6.0 | .8 | 7.1 | .10 | 28. | 3.6 |
| 80-07-28 | 1555 | 1 | 393. | 139. | 5.5 | .7 | 5.5 | .09 | 26. | 3.7 |
| 80-08-12 | 1530 | 1 | 205 01R | -- | -- | -- | -- | .09 | -- | -- |
| 80-09-16 | 1340 | 1 | 51. | 156. | 7.4 | .8 | 8.6 | .10 | 32. | 3.8 |
| 80-10-21 | 1650 | 1 | 43. | 149. | 6.4 | .7 | 7.3 | .10 | 30. | 4.0 |
| 80-12-18 | 1400 | 1 | 3. | 197. | 14.0 | 1.0 | 19.0 | .11 | 42. | 4.1 |
| 81-02-26 | 1840 | 1 | 11. | 177. | 9.0 | 1.1 | 14.0 | .12 | 34. | 4.6 |
| 81-03-26 | 1600 | 1 | 7. | 175. | 12.0 | 1.1 | 16.0 | .10 | 31. | 4.8 |
| 81-04-22 | 1540 | 1 | 6. | 179. | 13.0 | 1.2 | 14.0 | .12 | 34. | 4.0 |
| 81-05-20 | 1200 | 1 | 550. | 122. | 6.0 | 1.5 | 5.9 | .13 | 26. | 3.2 |
| 81-06-25 | 1430 | 1 | 168. | 129. | 6.1 | .9 | 5.9 | .10 | 23. | 3.9 |
| 81-07-23 | 1200 | 1 | 59. | 141. | 6.3 | .7 | 7.0 | 09 | 28. | 3.7 |
| 81-08-25 | 1715 | 1 | 33. | 151. | 7.3 | .9 | 8.7 | .10 | 29. | 3.5 |
| 81-10-27 | 1100 | 1 | 35. | 159. | 8.4 | .9 | 9.8 | .13 | 32. | 3.4 |
| 81-12-07 | 1201 | 1 | 126. | 179. | 11.0 | 1.0 | 13.0 | .08 | 38. | 4.3 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-23 | 1245 | 1 | 23.0 | 4.0 | .14 | .15 | .27 | .04 | .31 | L.003 |
| 80-05-15 | 1700 | 1 | -- | 8.0 | 3.50 | .08 | .27 | -- | -- | .016 |
| 80-06-09 | 1600 | 1 | -- | 5.0 | 1.50 | .04 | .18 | .12 | .30 | .004 |
| 80-07-10 | 1615 | 1 | -- | 4.0 | 2.80 | .04 | .15 | .26 | .41 | .003 |
| 80-07-28 | 1555 | 1 | -- | 4.0 | 8.20 | .06 | .18 | .57 | .75 | .007 |
| 80-08-12 | 1530 | 1 | -- | 5.0 04R | 4.00 02R | -- | -- | .51 02R | -- | -- |
| 80-09-16 | 1340 | 1 | -- | 3.0 | 1.50 | .03 | .15 | .14 | .29 | L.003 |
| 80-10-21 | 1650 | 1 | -- | 4.0 | 1.30 | .05 | .18 | .10 | .28 | .004 |
| 80-12-18 | 1400 | 1 | -- | 3.0 | .20 | .09 | .20 | .02 | .22 | L.003 |
| 81-02-26 | 1840 | 1 | -- | 4.0 | .90 | .12 | .24 | .07 | .31 | L.003 |
| 81-03-26 | 1600 | 1 | -- | -- | .28 | .14 | .26 | .04 | .30 | .004 |
| 81-04-22 | 1540 | 1 | -- | -- | .23 | .12 | .24 | .04 | .28 | L.003 |
| 81-05-20 | 1200 | 1 | -- | 11.0 | 13.60 | .06 | .37 | .81 | 1.18 | .027 |
| 81-06-25 | 1430 | 1 | -- | 5.7 | 3.90 | .05 | .16 | .22 | .38 | .006 |
| 81-07-23 | 1200 | 1 | -- | 3.6 | 1.50 | .03 | -- | .11 | -- | .006 |
| 81-08-25 | 1715 | 1 | -- | 2.7 | .58 | .02 | .14 | .11 | .25 | .003 |
| 81-10-27 | 1100 | 1 | -- | 4.6 | 1.50 | .05 | .19 | .11 | .30 | .007 |
| 81-12-07 | 1201 | 1 | -- | 4.6 | 1.70 | .11 | .21 | .15 | .36 | L.003 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 00NW10LA0003 LAT. 67D 21M 29S LONG. 133D 33M 29S
MACKENZIE RIVER ABOVE ARCTIC RED RIVER NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-23 | 1245 | 1 | .015 | Q.012 | .06 | L.0005 | L.0005 | L.01 | -- | .10 |
| 80-05-15 | 1700 | 1 | .100 | .084 | .06 | L.0005 | L.0005 | -- | L.01 | -- |
| 80-06-09 | 1600 | 1 | .039 | .035 | .06 | L.0005 | L.0005 | -- | L.01 | -- |
| 80-07-10 | 1615 | 1 | .110 | .107 | .04 | L.0005 | .0005 | -- | -- | -- |
| 80-07-28 | 1555 | 1 | .270 | .263 | .07 | L.0005 | L.0005 | -- | -- | -- |
| 80-09-16 | 1340 | 1 | .035 | Q.032 | .06 | L.0005 | L.0005 | -- | -- | -- |
| 80-10-21 | 1650 | 1 | .042 | .038 | .06 | L.0005 | L.0005 | .03 | -- | .61 |
| 80-12-18 | 1400 | 1 | .004 | Q.001 | .06 | L.0005 | L.0005 | -- | L.01 | -- |
| 81-02-26 | 1840 | 1 | .005 | Q.002 | .06 | L.0005 | L.0005 | -- | -- | -- |
| 81-03-26 | 1600 | 1 | .033 | .029 | .06 | L.0005 | L.0005 | .01 | -- | .18 |
| 81-04-22 | 1540 | 1 | .008 | Q.005 | .06 | L.0005 | L.0005 | L.01 | -- | .13 |
| 81-05-20 | 1200 | 1 | .480 | .453 | .14 | .0006 | .0012 | .25 | -- | 4.70 |
| 81-06-25 | 1430 | 1 | .094 | .088 | .05 | L.0005 | L.0005 | .06 | -- | 1.40 |
| 81-07-23 | 1200 | 1 | -- | -- | .04 | L.0005 | L.0005 | .04 | -- | 1.20 |
| 81-08-25 | 1715 | 1 | .026 | .023 | .04 | L.0005 | L.0005 | .02 | -- | .38 |
| 81-10-27 | 1100 | 1 | .040 | .033 | .05 | L.0005 | L.0005 | .02 | -- | .53 |
| 81-12-07 | 1201 | 1 | .078 | Q.075 | .05 | L.0005 | L.0005 | .08 | -- | .93 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 26104P IRON DISSOLVED FE MG/L | 29305P COPPER EXTRBLE. CU MG/L | 29020P COPPER TOTAL RECOVERABLE CU MG/L | 82302P LEAD EXTRBLE. PB MG/L | 82020P LEAD TOTAL RECOVERABLE PB MG/L | 30305P ZINC EXTRBLE. ZN MG/L | 30020P ZINC TOTAL RECOVERABLE ZN MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-01-23 | 1245 | 1 | -- | .002 | -- | .006 | -- | .003 | -- |
| 80-05-15 | 1700 | 1 | -- | -- | .007 | -- | .004 | -- | .028 |
| 80-06-09 | 1600 | 1 | -- | -- | .004 | -- | L.004 | -- | .012 |
| 80-07-10 | 1615 | 1 | -- | -- | .006 | -- | L.004 | -- | .021 |
| 80-07-28 | 1555 | 1 | -- | -- | .008 | -- | .005 | -- | .037 |
| 80-09-16 | 1340 | 1 | -- | -- | .003 | -- | L.004 | -- | .008 |
| 80-10-21 | 1650 | 1 | -- | -- | .002 | -- | L.004 | -- | .009 |
| 80-12-18 | 1400 | 1 | -- | -- | .002 | -- | .006 | -- | .004 |
| 81-02-26 | 1840 | 1 | -- | -- | .002 | -- | L.004 | -- | .008 |
| 81-03-26 | 1600 | 1 | -- | -- | .002 | -- | L.004 | -- | .002 |
| 81-04-22 | 1540 | 1 | -- | -- | .006 | -- | L.004 | -- | -- |
| 81-05-20 | 1200 | 1 | -- | -- | .003 | -- | L.004 | -- | -- |
| 81-06-25 | 1430 | 1 | -- | -- | .005 | -- | L.004 | -- | .014 |
| 81-07-23 | 1200 | 1 | -- | -- | .005 | -- | L.004 | -- | .006 |
| 81-08-25 | 1715 | 1 | -- | -- | L.001 | -- | L.004 | -- | .005 |
| 81-10-27 | 1100 | 1 | -- | -- | .002 | -- | L.004 | -- | .006 |
| 81-12-07 | 1201 | 1 | -- | -- | .006 | -- | L.004 | -- | .002 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - OOMN10LA0003 LAT. 67D 21M 29S LONG. 133D 33M 29S
MACKENZIE RIVER ABOVE ARCTIC RED RIVER NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE. CO MG/L | 27020P COBALT TOTAL RECOVERABLE CO MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-01-23 | 1245 | 1 | L.001 | -- | .004 | -- | -- | .05 | -- |
| 80-05-15 | 1700 | 1 | -- | .002 | -- | .003 | .009 | -- | .08 |
| 80-06-09 | 1600 | 1 | -- | .003 | -- | .002 | .008 | -- | .08 |
| 80-07-10 | 1615 | 1 | -- | .005 | -- | .006 | .009 | -- | .10 |
| 80-07-28 | 1555 | 1 | -- | .023 | -- | .002 | .008 | -- | .13 |
| 80-08-16 | 1340 | 1 | -- | .003 | -- | L.002 | .008 | -- | .05 |
| 80-10-21 | 1650 | 1 | -- | .003 | -- | L.002 | L.002 | -- | .07 |
| 80-12-18 | 1400 | 1 | -- | L.001 | -- | .004 | .006 | -- | .07 |
| 81-02-26 | 1840 | 1 | -- | .001 | -- | .006 | .007 | -- | .11 |
| 81-03-26 | 1600 | 1 | -- | L.001 | -- | L.002 | .004 | -- | L.05 |
| 81-04-22 | 1540 | 1 | -- | L.001 | -- | L.002 | -- | -- | .11 |
| 81-06-20 | 1200 | 1 | -- | .002 | -- | .003 | -- | -- | .19 |
| 81-06-25 | 1430 | 1 | -- | .007 | -- | L.002 | .008 | -- | .13 |
| 81-07-23 | 1200 | 1 | -- | .002 | -- | L.002 | L.002 | -- | .07 |
| 81-08-25 | 1715 | 1 | -- | .002 | -- | L.002 | L.002 | -- | .07 |
| 81-10-27 | 1100 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | .06 |
| 81-12-07 | 1201 | 1 | -- | .007 | -- | L.002 | .020 | -- | .10 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 48302P CADMIUM EXTRBLE. CD MG/L | 48020P CADMIUM TOTAL RECOVERABLE CD MG/L | 80011P MERCURY TOTAL HG UG/L |
|---|---|---|---|---|---|
| 80-01-23 | 1245 | 1 | .001 | -- | .03 |
| 80-05-15 | 1700 | 1 | -- | L.001 | .03 |
| 80-06-09 | 1600 | 1 | -- | L.001 | .02 |
| 80-07-10 | 1615 | 1 | -- | L.001 | L.02 |
| 80-07-28 | 1555 | 1 | -- | L.001 | .03 |
| 80-08-12 | 1530 | 1 | -- | -- | .03 11W |
| 80-08-16 | 1340 | 1 | -- | L.001 | .03 |
| 80-10-21 | 1650 | 1 | -- | .001 | .02 |
| 80-12-18 | 1400 | 1 | -- | .001 | L.02 |
| 81-02-26 | 1840 | 1 | -- | .001 | .11 |
| 81-03-26 | 1600 | 1 | -- | L.001 | -- |
| 81-04-22 | 1540 | 1 | -- | L.001 | -- |
| 81-06-20 | 1200 | 1 | -- | L.001 | -- |
| 81-08-25 | 1430 | 1 | -- | L.001 | -- |
| 81-07-23 | 1200 | 1 | -- | L.001 | -- |
| 81-08-25 | 1715 | 1 | -- | L.001 | -- |
| 81-10-27 | 1100 | 1 | -- | L.001 | -- |
| 81-12-07 | 1201 | 1 | -- | L.001 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 00HH10MC0001 LAT. 67D 13M 14S LONG. 134D 58M 44S
PEEL RIVER ABOVE FORT MCPHERSON, NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C. | 02061L TEMP. WATER DEG. C. | 02041F SPECIFIC CONDUCT. US/E/CM | 02041L SPECIFIC CONDUCT. US/E/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-23 | 1400 | 1 | 0.0 | 21.1 | 395. | 436. | 7.5 | 7.8 | 1.5 | L5. |
| 80-07-09 | 1300 | 1 | 16.0 | 20.9 | 300. | 314. | 8.1 | 8.0 | 124.0 | 100. |
| 80-08-12 | 1215 | 1 | 16.0 | 19.2 | 310. | 353. | -- | 8.0 | 34.0 | 60. |
| 80-09-16 | 1600 | 1 | 7.0 | 23.0 | 340. | 374. | 8.3 | 8.1 | 11.0 | 50. |
| 80-10-21 | 1500 | 1 | 0.0 | 18.5 | 340. | 400. | -- | 8.1 | 2.7 | 20. |
| 80-12-18 | 1530 | 1 | 0.0 | 23.2 | 400. | 445. | -- | 7.9 | 1.7 | 40. |
| 81-02-26 | 1520 | 1 | 0.0 | 22.3 | 395. | 436. | 7.5 | 8.0 | 1.0 | 5. |
| 81-03-26 | 1255 | 1 | 0.0 | 18.2 | 390. | 417. | 7.5 | 7.8 | 1.2 | -- |
| 81-04-22 | 1330 | 1 | 0.0 | 20.0 | -- | 418. | 7.5 | 7.8 | 1.0 | -- |
| 81-07-08 | 1000 | 1 | 12.0 | 21.4 | 220. | 267. | 7.5 | 8.1 | 8.8 | -- |
| 81-08-11 | 1632 | 1 | 15.0 | 24.6 | 320. | 363. | 7.6 | 8.0 | 53.0 | -- |
| 81-09-21 | 1325 | 1 | 8.0 | 22.5 | 310. | 378. | 7.8 | 8.1 | 12.0 | -- |
| 81-12-07 | 1310 | 1 | 0.0 | 21.4 | -- | 407. | -- | 7.9 | 1.3 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-23 | 1400 | 1 | -- | 0. | 0.0 | 191. | 157.0 06L | 55.50 | 17.0 | 208.6 |
| 80-07-09 | 1300 | 1 | -- | 0. | 0.0 | 130. | 107.0 | 38.80 | 12.0 | 146.3 |
| 80-08-12 | 1215 | 1 | -- | 0. | 0.0 | 139. | 114.0 | 44.20 | 14.8 | 171.3 |
| 80-09-16 | 1600 | 1 | -- | 0. | 0.0 | 146. | 120.0 | 45.40 | 15.3 | 176.4 |
| 80-10-21 | 1500 | 1 | -- | 0. | 0.0 | 162. | 133.0 | 48.10 | 15.6 | 184.3 |
| 80-12-18 | 1530 | 1 | -- | 0. | 0.0 | 193. | 158.0 | 57.00 | 17.8 | 215.6 |
| 81-02-26 | 1520 | 1 | -- | 0. | 0.0 | 187. | 153.0 | 52.70 | 16.8 | 200.8 |
| 81-03-26 | 1255 | 1 | 5. | 0. | 0.0 | 180. | 148.0 | 48.90 | 16.0 | 188.0 |
| 81-04-22 | 1330 | 1 | 10. | 0. | 0.0 | 182. | 149.0 | 52.50 | 18.0 | 205.2 |
| 81-07-08 | 1000 | 1 | 60. | 0. | 0.0 | 109. | 89.0 | 33.30 | 9.9 | 123.9 |
| 81-08-11 | 1632 | 1 | 20. | 0. | 0.0 | 143. | 117.0 | 44.80 | 14.9 | 173.2 |
| 81-09-21 | 1325 | 1 | 10. | 0. | 0.0 | 150. | 123.0 | 46.80 | 15.7 | 181.5 |
| 81-12-07 | 1310 | 1 | 10. | 0. | 0.0 | 185. | 152.0 | 56.10 | 11.9 | 189.1 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-23 | 1400 | 1 | 2. | 227. | 5.3 | .7 | 4.1 | .06 | 46. | 4.2 |
| 80-07-09 | 1300 | 1 | 132. | 159. | 2.9 | .5 | 1.6 | .10 | 36. | 3.4 |
| 80-08-12 | 1215 | 1 | 64. | 186. | 4.0 | .6 | 1.7 | .07 | 48. | 3.8 |
| 80-09-16 | 1600 | 1 | 30. | 200. | 4.7 | .5 | 2.0 | .08 | 57. | 3.2 |
| 80-10-21 | 1500 | 1 | 3. | 202. | 3.9 | .4 | 2.5 | .08 | 49. | 3.1 |
| 80-12-18 | 1530 | 1 | 1. | 234. | 5.3 | .5 | 3.7 | .08 | 51. | 4.2 |
| 81-02-26 | 1520 | 1 | 2. | 219. | 4.2 | .5 | 4.5 | .10 | 44. | 4.6 |
| 81-03-26 | 1255 | 1 | 4. | 208. | 4.7 | .6 | 4.3 | .09 | 40. | 4.3 |
| 81-04-22 | 1330 | 1 | 8. | 214. | 5.1 | .5 | 4.2 | .10 | 40. | 4.0 |
| 81-07-08 | 1000 | 1 | 206. | 140. | 2.8 | .5 | 1.2 | .07 | 36. | 3.2 |
| 81-08-11 | 1632 | 1 | 85. | 192. | 4.5 | .5 | 1.6 | .07 | 52. | 3.7 |
| 81-09-21 | 1325 | 1 | 17. 01R | 200. | 4.3 | .4 | 2.1 | .06 | 54. | 3.0 |
| 81-12-07 | 1310 | 1 | 3. | 226. | 5.1 | .5 | 3.5 | .07 | 54. | 4.1 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07502L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-23 | 1400 | 1 | 33.0 | 1.0 | .06 | .20 | .19 | .02 | .21 | L.003 |
| 80-07-09 | 1300 | 1 | -- | 3.0 | 3.40 | .05 | .13 | .30 | .43 | .080 |
| 80-08-12 | 1215 | 1 | -- | 4.0 | 2.30 | .10 | .14 | .18 | .32 | .009 |
| 80-09-16 | 1600 | 1 | -- | 3.0 | .88 | .06 | .17 | .10 | .27 | L.003 |
| 80-10-21 | 1500 | 1 | -- | 2.0 | .18 | .10 | .19 | .04 | .23 | L.003 |
| 80-12-18 | 1530 | 1 | -- | 2.0 | .12 | .14 | .20 | L.01 | Q.21 | .006 |
| 81-02-26 | 1520 | 1 | -- | 1.0 | .10 | .16 | .23 | .02 | .25 | L.003 |
| 81-03-26 | 1255 | 1 | -- | -- | .19 | .18 | .20 | .03 | .23 | L.003 |
| 81-04-22 | 1330 | 1 | -- | -- | .18 | .16 | .18 | .03 | .21 | .003 |
| 81-07-08 | 1000 | 1 | -- | 5.5 | 5.10 | .19 | .35 | .37 | .72 | .005 |
| 81-08-11 | 1632 | 1 | -- | 3.4 | 1.90 | .09 | .79 | .17 | .96 | .007 |
| 81-09-21 | 1325 | 1 | -- | 2.0 04R | .61 02R | .07 10R | .15 51R | .05 02R | .20 | L.003 03R |
| 81-12-07 | 1310 | 1 | -- | 2.5 | .13 | .08 | .22 | L.01 | Q.23 | L.003 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 00NW10MC0001 LAT. 67D 13M 14S LONG. 134D 58M 44S
PEEL RIVER ABOVE FORT MCPHERSON. NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-23 | 1400 | 1 | .008 | Q.005 | .03 | L.0005 | .0007 | .01 | -- | .11 |
| 80-07-09 | 1300 | 1 | .150 | .070 | 03 | .0005 | L.0005 | -- | -- | -- |
| 80-08-12 | 1215 | 1 | .098 | .089 | .04 | L.0005 | .0005 | -- | -- | -- |
| 80-09-16 | 1600 | 1 | .022 | Q.019 | .06 | L.0005 | .0005 | -- | -- | -- |
| 80-10-21 | 1500 | 1 | .011 | Q.008 | .04 | L.0005 | .0005 | .04 | -- | .17 |
| 80-12-18 | 1530 | 1 | .008 | .002 | .06 | L.0005 | L.0005 | -- | .02 | -- |
| 81-02-26 | 1520 | 1 | .015 | Q.012 | .06 | L.0005 | L.0005 | -- | -- | -- |
| 81-03-26 | 1255 | 1 | .005 | Q.002 | .04 | L.0005 | L.0005 | .01 | -- | .12 |
| 81-04-22 | 1330 | 1 | .012 | .009 | .04 | L.0005 | .0007 | .02 | -- | .13 |
| 81-07-08 | 1000 | 1 | .110 | .105 | .07 | L.0005 | L.0005 | .11 | -- | 4.70 |
| 81-08-11 | 1632 | 1 | .092 | .085 | .05 | L.0005 | L.0005 | .04 | -- | 2.10 |
| 81-09-21 | 1325 | 1 | .380 06R | Q.377 | .04 | L.0005 | .0006 | .02 04W | -- | .56 04W |
| 81-12-07 | 1310 | 1 | .008 | Q.005 | .04 | L.0005 | L.0005 | .02 | -- | .21 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 26104P IRON DISSOLVED FE MG/L | 29305P COPPER EXTRBLE. CU MG/L | 29020P COPPER TOTAL RECOVERABLE CU MG/L | 82302P LEAD EXTRBLE. PB MG/L | 82020P LEAD TOTAL RECOVERABLE PB MG/L | 30305P ZINC EXTRBLE. ZN MG/L | 30020P ZINC TOTAL RECOVERABLE ZN MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-01-23 | 1400 | 1 | -- | .001 | -- | L.004 | -- | .003 | -- |
| 80-07-09 | 1300 | 1 | -- | -- | .006 | -- | L.004 | -- | .029 |
| 80-08-12 | 1215 | 1 | -- | -- | .004 | -- | L.004 | -- | .015 |
| 80-09-16 | 1600 | 1 | -- | -- | .004 | -- | L.004 | -- | .015 |
| 80-10-21 | 1500 | 1 | -- | -- | .002 | -- | L.004 | -- | .008 |
| 80-12-18 | 1530 | 1 | -- | -- | .002 | -- | L.004 | -- | .004 |
| 81-02-26 | 1520 | 1 | -- | -- | .002 | -- | L.004 | -- | .008 |
| 81-03-26 | 1255 | 1 | -- | -- | .002 | -- | L.004 | -- | .003 |
| 81-04-22 | 1330 | 1 | -- | -- | .004 | -- | L.004 | -- | -- |
| 81-07-08 | 1000 | 1 | -- | -- | .011 | -- | L.004 | -- | .045 |
| 81-08-11 | 1632 | 1 | -- | -- | .009 | -- | L.004 | -- | .028 |
| 81-09-21 | 1325 | 1 | -- | -- | .002 20W | -- | L.004 20W | -- | .009 20W |
| 81-12-07 | 1310 | 1 | -- | -- | L.001 | -- | L.004 | -- | L.001 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE. CO MG/L | 27020P COBALT TOTAL RECOVERABLE CO MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-01-23 | 1400 | 1 | L.001 | -- | .003 | -- | -- | .06 | -- |
| 80-07-09 | 1300 | 1 | -- | .005 | -- | .006 | .011 | -- | .15 |
| 80-08-12 | 1215 | 1 | -- | .005 | -- | L.002 | .005 | -- | .09 |
| 80-09-16 | 1600 | 1 | -- | L.001 | -- | L.002 | .004 | -- | .05 |
| 80-10-21 | 1500 | 1 | -- | L.001 | -- | L.002 | .003 | -- | .08 |
| 80-12-18 | 1530 | 1 | -- | .001 | -- | .006 | .007 | -- | .09 |
| 81-02-26 | 1520 | 1 | -- | L.001 | -- | .010 | .005 | -- | .11 |
| 81-03-26 | 1255 | 1 | -- | L.001 | -- | L.002 | .004 | -- | L.05 |
| 81-04-22 | 1330 | 1 | -- | L.001 | -- | L.002 | -- | -- | .13 |
| 81-07-08 | 1000 | 1 | -- | .013 | -- | .003 | .013 | -- | .20 |
| 81-08-11 | 1632 | 1 | -- | .009 | -- | L.002 | .006 | -- | .13 |
| 81-09-21 | 1325 | 1 | -- | L.001 20W | -- | L.002 20W | -- | -- | .07 20W |
| 81-12-07 | 1310 | 1 | -- | .001 | -- | L.002 | .006 | -- | .07 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 48302P CADMIUM EXTRBLE. CD MG/L | 48020P CADMIUM TOTAL RECOVERABLE CD MG/L | 80011P MERCURY TOTAL HG UG/L |
|---|---|---|---|---|---|
| 80-01-23 | 1400 | 1 | L.001 | -- | .02 |
| 80-07-09 | 1300 | 1 | -- | L.001 | L.02 |
| 80-08-12 | 1215 | 1 | -- | L.001 | L.02 |
| 80-09-16 | 1600 | 1 | -- | L.001 | .04 |
| 80-10-21 | 1500 | 1 | -- | .001 | L.02 |
| 80-12-18 | 1530 | 1 | -- | .001 | .04 |
| 81-02-26 | 1520 | 1 | -- | 002 | .14 |
| 81-03-26 | 1255 | 1 | -- | L.001 | -- |
| 81-04-22 | 1330 | 1 | -- | L.001 | -- |
| 81-07-08 | 1000 | 1 | -- | L.001 | -- |
| 81-08-11 | 1632 | 1 | -- | L.001 | -- |
| 81-09-21 | 1325 | 1 | -- | L.001 20W | -- |
| 81-12-07 | 1310 | 1 | -- | L.001 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - [redacted]  LAT. 68D 37M 59S  LONG. 128D 24M 29S
ANDERSON RIVER BELOW CARNWATH RIVER, NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C. | 02061L TEMP. WATER DEG. C. | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-24 | 1545 | 1 | 0.0 | 19.5 | -- | 543. | -- | 7.6 | .5 | 10. |
| 80-04-09 | 1635 | 1 | 0.0 | 20.4 | -- | 693. | -- | 7.7 | .6 | 5. |
| 80-06-27 | 1420 | 1 | 16.0 | 23.0 | -- | 210. | 7.9 | 7.9 | 9.5 | 40. |
| 80-08-05 | 1245 | 1 | 13.0 | 17.0 | 225. | 247. | 8.0 | 8.1 | 3.5 | 20. |
| 80-09-10 | 1315 | 1 | 6.5 | 20.0 | -- | 278. | 7.3 | 7.9 | 1.5 | 20. |
| 80-11-05 | 1445 | 1 | 0.0 | 20.1 | -- | 330. | -- | 8.0 | .8 | 20. |
| 81-01-15 | 1535 | 1 | 0.0 | 18.0 | -- | 472. | -- | 7.8 | .5 | 10. |
| 81-02-23 | 1640 | 1 | 0.0 | 22.4 | -- | 547. | -- | 7.6 | .9 | 10. |
| 81-05-06 | 1200 | 1 | 0.0 | 15.7 | -- | 594. | -- | 7.5 | 3.5 | -- |
| 81-05-21 | 1100 | 1 | 0.0 | 20.7 | 150. | 166. | -- | 7.6 | 73.0 | -- |
| 81-07-30 | 1150 | 1 | 17.0 | 21.4 | 210. | 255. | -- | 8.1 | 1.5 | -- |
| 81-09-15 | 1330 | 1 | 7.0 | 23.3 | -- | 269. | 7.9 | 8.0 | 2.5 | -- |
| 81-11-17 | 1230 | 1 | 0.0 | 23.3 | -- | 262. | -- | 7.8 | 1.0 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-24 | 1545 | 1 | -- | 0. | 0.0 | 171. | 140.0 06L | 42.60 | 18.6 | 183.0 |
| 80-04-09 | 1635 | 1 | -- | 0. | 0.0 | 195. | 160.0 | 48.30 | 22.9 | 214.9 |
| 80-06-27 | 1420 | 1 | -- | 0. | 0.0 | 88. | 72.0 | 21.20 | 8.8 | 89.2 |
| 80-08-05 | 1245 | 1 | -- | 0. | 0.0 | 100. | 82.0 | 25.50 | 10.4 | 106.5 |
| 80-09-10 | 1315 | 1 | -- | 0. | 0.0 | 106. | 87.0 | 26.00 | 11.0 | 110.2 |
| 80-11-05 | 1445 | 1 | -- | 0. | 0.0 | 150. | 123.0 | 30.40 | 13.3 | 130.7 |
| 81-01-15 | 1535 | 1 | -- | 0 | 0.0 | 149. | 122.0 | 39.00 | -- | -- |
| 81-02-23 | 1640 | 1 | -- | 0. | 0.0 | 166. | 136.0 | 44.00 | 17.9 | 183.6 |
| 81-05-06 | 1200 | 1 | 10. | 0. | 0.0 | 161. | 132.0 | 46.30 | 20.4 | 199.6 |
| 81-05-21 | 1100 | 1 | 80. | 0. | 0.0 | 68. | 56.0 | 20.80 | 5.6 | 79.1 |
| 81-07-30 | 1150 | 1 | 20. | 0. | 0.0 | 105. | 86.0 | 27.30 | 11.9 | 117.2 |
| 81-09-15 | 1330 | 1 | 30. | 0. | 0.0 | 115. | 94.0 | 27.30 | 11.7 | 116.3 |
| 81-11-17 | 1230 | 1 | 30. | 0. | 0.0 | 113. | 93.0 | 28.10 | 12.1 | 120.0 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-24 | 1545 | 1 | 3. | 284. | 35.0 | 2.0 | 46.0 | .22 | 51. | 4.2 |
| 80-04-09 | 1635 | 1 | 1. | 360. | 50.0 | 2.5 | 67.0 | .30 | 68. | 5.1 |
| 80-06-27 | 1420 | 1 | 22. | 100. | 4.9 | .9 | 5.4 | L.05 | 13. | 2.5 |
| 80-08-05 | 1245 | 1 | 11. | 124. | 8.0 | 1.0 | 9.0 | .08 | 19. | 2.2 |
| 80-09-10 | 1315 | 1 | 5. | 138. | 9.4 | .9 | 11.0 | .10 | 25. | 2.2 |
| 80-11-05 | 1445 | 1 | 1. | 181. | 14.0 | 1.2 | 17.0 | .13 | 29. | 2.6 |
| 81-01-15 | 1535 | 1 | L1. | -- | 24.0 | -- | 35.0 | .19 | 40. | 3.9 |
| 81-02-23 | 1640 | 1 | L1. | 284. | 36.0 | 2.0 | 47.0 | .25 | 51. | 4.4 |
| 81-05-06 | 1200 | 1 | 3. | 313. | 42.0 | 2.4 | 55.0 | .25 | 63. | 4.3 |
| 81-05-21 | 1100 | 1 | 161. | 85. | 4.2 | 1.4 | 4.7 | .13 | 11. | 2.8 |
| 81-07-30 | 1150 | 1 | 2. | 132. | 8.8 | 1.0 | 9.2 | .10 | 20. | 2.0 |
| 81-09-15 | 1330 | 1 | 4. | 135. | 7.7 | .9 | 8.3 | .07 | 20. | 2.8 |
| 81-11-17 | 1230 | 1 | 1. | 144. | 8.6 | 1.1 | 11.0 | L.05 | 24. | 3.0 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-24 | 1545 | 1 | 28.0 | 6.0 | .04 | .15 | .42 | L.01 | 0.43 | L.003 |
| 80-04-09 | 1635 | 1 | 26.0 | 5.0 | .08 | .22 | .46 | .02 | .48 | L.003 |
| 80-06-27 | 1420 | 1 | -- | 9.0 | .66 | L.01 | .32 | .08 | .40 | .007 |
| 80-08-05 | 1245 | 1 | -- | 7.0 | .36 | .02 | .22 | .06 | .28 | .003 |
| 80-09-10 | 1315 | 1 | -- | 7.0 | .21 | -- | .27 | .01 | .28 | L.003 |
| 80-11-05 | 1445 | 1 | -- | 7.0 | .15 | .05 | .33 | .03 | .36 | L.003 |
| 81-01-15 | 1535 | 1 | -- | 6.0 | .11 | .10 | .43 | .03 | .46 | .005 |
| 81-02-23 | 1640 | 1 | -- | 6.0 | .10 | .16 | .40 | .04 | .44 | L.003 |
| 81-05-06 | 1200 | 1 | -- | 10.0 | .12 | .20 | .46 | .02 | .48 | L.003 |
| 81-05-21 | 1100 | 1 | -- | 12.0 | 3.90 | .02 | .43 | .41 | .84 | .009 |
| 81-07-30 | 1150 | 1 | -- | 6.1 | .31 | L.01 | .25 | .04 | .29 | L.003 |
| 81-09-15 | 1330 | 1 | -- | 9.0 | .53 | .01 | .35 | .04 | .39 | L.003 |
| 81-11-17 | 1230 | 1 | -- | 9.4 | .32 | .03 | .42 | .05 | .47 | L.003 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - DONN10NC0001 LAT. 680 37M 59S LONG. 1280 24M 29S
ANDERSON RIVER BELOW CARNWATH RIVER, NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-24 | 1545 | 1 | -- | -- | .07 | L.0005 | L.0005 | L.01 | -- | .05 |
| 80-04-08 | 1635 | 1 | L.003 | 00.000 | .10 | L.0005 | L.0005 | -- | L.01 | -- |
| 80-06-27 | 1420 | 1 | .016 | .009 | .06 | L.0005 | L.0005 | -- | -- | -- |
| 80-08-05 | 1245 | 1 | .011 | .008 | .04 | .0009 | L.0005 | -- | -- | -- |
| 80-09-10 | 1315 | 1 | .004 | 0.001 | .06 | L.0005 | L.0005 | -- | -- | -- |
| 80-11-05 | 1445 | 1 | -- | -- | .06 | L.0005 | L.0005 | L.01 | -- | .09 |
| 81-01-15 | 1535 | 1 | .087 | .082 | .06 | L.0005 | L.0005 | L.01 | -- | .09 |
| 81-02-23 | 1640 | 1 | L.003 | 00.000 | .08 | L.0005 | L.0005 | -- | -- | -- |
| 81-05-06 | 1200 | 1 | .030 | 0.027 | .11 | L.0005 | L.0005 | .01 | -- | .12 |
| 81-05-21 | 1100 | 1 | -- | -- | .13 | L.0005 | .0012 | .08 | -- | 1.70 |
| 81-07-30 | 1150 | 1 | .029 | 0.026 | .06 | L.0005 | L.0005 | .03 | -- | .08 |
| 81-09-15 | 1330 | 1 | .008 | 0.005 | .06 | L.0005 | L.0005 | .01 | -- | .29 |
| 81-11-17 | 1230 | 1 | .018 | 0.015 | .07 | L.0005 | L.0005 | L.01 | -- | .10 |

| DATE | TIME/ | SUB-ID/ | 26104P IRON DISSOLVED FE | 29305P COPPER EXTRBLE. CU | 29020P COPPER TOTAL RECOVERABLE CU | 82302P LEAD EXTRBLE. PB | 82020P LEAD TOTAL RECOVERABLE PB | 30305P ZINC EXTRBLE. ZN | 30020P ZINC TOTAL RECOVERABLE ZN |
|---|---|---|---|---|---|---|---|---|---|
| YMD/AMJ | HEURE | SOUS-ID | MG/L | MG/L | MG/L | MG/L | MG/L | MG/L | MG/L |
| 80-01-24 | 1545 | 1 | -- | L.001 | -- | L.004 | -- | L.001 | -- |
| 80-04-08 | 1635 | 1 | -- | -- | .005 | -- | L.004 | -- | .003 |
| 80-06-27 | 1420 | 1 | -- | -- | .002 | -- | L.004 | -- | .005 |
| 80-08-05 | 1245 | 1 | -- | -- | .001 | -- | L.004 | -- | .003 |
| 80-09-10 | 1315 | 1 | -- | -- | .001 | -- | L.004 | -- | .006 |
| 80-11-05 | 1445 | 1 | -- | -- | L.001 | -- | L.004 | -- | .001 |
| 81-01-15 | 1535 | 1 | -- | -- | L.001 | -- | L.004 | -- | .003 |
| 81-02-23 | 1640 | 1 | -- | -- | .004 | -- | L.004 | -- | .004 |
| 81-05-06 | 1200 | 1 | -- | -- | .003 | -- | L.004 | -- | -- |
| 81-05-21 | 1100 | 1 | -- | -- | .005 | -- | .004 | -- | .023 |
| 81-07-30 | 1150 | 1 | -- | -- | .002 | -- | L.004 | -- | .001 |
| 81-09-15 | 1330 | 1 | -- | -- | .002 | -- | .004 | -- | .001 |
| 81-11-17 | 1230 | 1 | -- | -- | .001 | -- | L.004 | -- | .003 |

| DATE | TIME/ | SUB-ID/ | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE. CO MG/L | 27020P COBALT TOTAL RECOVERABLE CO MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| YMD/AMJ | HEURE | SOUS-ID | | | | | | | |
| 80-01-24 | 1545 | 1 | L.001 | -- | L.002 | -- | -- | .05 | -- |
| 80-04-08 | 1635 | 1 | -- | .006 | -- | -- | -- | -- | .05 |
| 80-06-27 | 1420 | 1 | -- | .003 | -- | L.002 | .004 | -- | .07 |
| 80-08-05 | 1245 | 1 | -- | .001 | -- | L.002 | L.002 | -- | L.05 |
| 80-09-10 | 1315 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 80-11-05 | 1445 | 1 | -- | L.001 | -- | L.002 | .004 | -- | L.05 |
| 81-01-15 | 1535 | 1 | -- | .013 | -- | .004 | .009 | -- | L.05 |
| 81-02-23 | 1640 | 1 | -- | L.001 | -- | .005 | .007 | -- | .08 |
| 81-05-06 | 1200 | 1 | -- | L.001 | -- | .002 | -- | -- | .07 |
| 81-05-21 | 1100 | 1 | -- | -- | -- | .005 | -- | -- | .06 |
| 81-07-30 | 1150 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | .05 |
| 81-09-15 | 1330 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | .09 |
| 81-11-17 | 1230 | 1 | -- | L.001 | -- | L.002 | .002 | -- | .05 |

| DATE | TIME/ | SUB-ID/ | 48302P CADMIUM EXTRBLE. CD MG/L | 48020P CADMIUM TOTAL RECOVERABLE CD MG/L | 80011P MERCURY TOTAL HG UG/L |
|---|---|---|---|---|---|
| YMD/AMJ | HEURE | SOUS-ID | | | |
| 80-01-24 | 1545 | 1 | L.001 | -- | L.02 |
| 80-04-08 | 1635 | 1 | -- | -- | L.02 |
| 80-06-27 | 1420 | 1 | -- | L.001 | L.02 |
| 80-08-05 | 1245 | 1 | -- | L.001 | L.02 |
| 80-09-10 | 1315 | 1 | -- | L.001 | L.02 |
| 80-11-05 | 1445 | 1 | -- | L.001 | .04 |
| 81-01-15 | 1535 | 1 | -- | .002 | .08 |
| 81-02-23 | 1640 | 1 | -- | L.001 | .06 |
| 81-05-06 | 1200 | 1 | -- | L.001 | -- |
| 81-05-21 | 1100 | 1 | -- | .001 | -- |
| 81-07-30 | 1150 | 1 | -- | L.001 | -- |
| 81-09-15 | 1330 | 1 | -- | L.001 | -- |
| 81-11-17 | 1230 | 1 | -- | L.001 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - OGNN10PB0001
COPPERMINE RIVER AT OUTLET OF POINT LAKE, NORTHWEST TERRITORIES LAT. 68D 25M 05S LONG. 114D 09M 29S

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG C | 02061L TEMP. WATER DEG C | 02041F SPECIFIC CONDUCT. US/CM | 02041L SPECIFIC CONDUCT. US/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-17 | 1410 | 1 | 0.0 | 14.4 | -- | 12. | -- | 6.8 | .6 | L5. |
| 80-03-19 | 1340 | 1 | .5 | 21.0 | -- | 18. | -- | 6.7 | .6 | 10. |
| 80-05-06 | 1545 | 1 | .5 | 18.7 | -- | 16. | -- | 6.8 | .4 | 5. |
| 80-07-09 | 1245 | 1 | -- | 20.9 | -- | 14. | -- | 6.7 | .3 | 5. |
| 80-08-18 | 1100 | 1 | -- | 16.6 | -- | 14. | -- | 6.6 | .3 | 10. |
| 80-09-11 | 1350 | 1 | -- | 20.5 | -- | 14. | -- | 7.3 | .4 | 10. |
| 81-01-05 | 1230 | 1 | 0.0 | 20.2 | -- | 14. | -- | 6.9 | .3 | 10. |
| 81-04-23 | 1620 | 1 | 0.0 | 18.3 | -- | 14. | -- | 6.7 | .5 | -- |
| 81-06-29 | 1045 | 1 | 3.5 | 22.0 | 12. | 13 | 7.2 | 6.8 | .4 | -- |
| 81-08-07 | 1250 | 1 | 7.0 | 26.6 | 13. | 15. | -- | 6.9 | .3 | -- |
| 81-09-10 | 1330 | 1 | -- | 21.3 | 12. | 15. | -- | 7.0 | .2 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-17 | 1410 | 1 | -- | 0. | 0.0 | 2. | 2.0 06L | L.10 | L.1 | 0.7 |
| 80-03-19 | 1340 | 1 | -- | 0. | 0.0 | 6. | 5.0 06L | L.10 | L.1 | 0.7 |
| 80-05-06 | 1545 | 1 | -- | 0. | 0.0 | 4. | 3.0 | .10 | .7 | 3.1 |
| 80-07-09 | 1245 | 1 | -- | 0. | 0.0 | 4. | 3.0 | .70 | .5 | 3.8 |
| 80-08-18 | 1100 | 1 | -- | 0. | 0.0 | 4. | 3.0 | 1.00 | .6 | 5.0 |
| 80-09-11 | 1350 | 1 | -- | 0. | 0.0 | 2. | 2.0 | 1.00 | .3 | 3.7 |
| 81-01-05 | 1230 | 1 | -- | 0. | 0.0 | 4. | 3.0 | 1.10 | .5 | 4.8 |
| 81-04-23 | 1620 | 1 | 10. | 0. | 0.0 | 4. | 3.0 | 1.00 | .4 | 4.1 |
| 81-06-29 | 1045 | 1 | 5. | 0. | 0.0 | 4. | 3.5 | .90 | .3 | 3.5 |
| 81-08-07 | 1250 | 1 | 10. | 0. | 0.0 | 3. | 2.8 | 1.50 | .3 | 5.0 |
| 81-09-10 | 1330 | 1 | 10. | 0. | 0.0 | 2. | 2.0 | 1.20 | .6 | 5.5 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-17 | 1410 | 1 | 4. | 4. | .4 | .3 | .3 | L.05 | 2. | .1 |
| 80-03-19 | 1340 | 1 | 2. | 7. | .5 | .4 | .3 | L.05 | 2. | .2 |
| 80-05-06 | 1545 | 1 | 4. | 6. | .4 | .4 | .3 | L.05 | 2. | .2 |
| 80-07-09 | 1245 | 1 | 11. | 6. | .6 | .4 | .3 | L.05 | 2. | .2 |
| 80-08-18 | 1100 | 1 | 3. | 6. | .5 | .4 | .3 | L.05 | 1. | .2 |
| 80-09-11 | 1350 | 1 | 2. | 5. | .5 | .5 | .3 | L.05 | 1. | .3 |
| 81-01-05 | 1230 | 1 | 3. | 7. | .5 | .3 | .3 | L.05 | 1. | .2 |
| 81-04-23 | 1620 | 1 | 2. | 6. | .6 | .5 | .3 | .06 | 2. | .2 |
| 81-06-29 | 1045 | 1 | 11. | 6. | .4 | .3 | .4 | .06 | 1. | .2 |
| 81-08-07 | 1250 | 1 | 1. | 6. | .4 | .3 | .3 | L.05 | 1. | .3 |
| 81-09-10 | 1330 | 1 | 2. | 5. | .5 | .4 | .3 | L.05 | 1. | .3 |
| | | | | | | | | | | .1 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 08902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07851L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-17 | 1410 | 1 | 10.0 | 4.0 | .26 | .34 | .34 | .03 | .37 | L.003 |
| 80-03-19 | 1340 | 1 | 19.0 | 1.0 | .13 | .08 | .16 | .03 | .19 | L.003 |
| 80-05-06 | 1545 | 1 | -- | 2.0 | .23 | .05 | .15 | .04 | .19 | L.003 |
| 80-07-09 | 1245 | 1 | -- | 11.0 | .14 | .04 | .13 | .03 | .16 | L.003 |
| 80-08-18 | 1100 | 1 | -- | 2.0 | .17 | .04 | .11 | .03 | .14 | .003 |
| 80-09-11 | 1350 | 1 | -- | 2.0 | .15 | .03 | .13 | .03 | .16 | L.003 |
| 81-01-05 | 1230 | 1 | -- | 2.0 | .32 | .07 | .14 | .05 | .19 | L.003 |
| 81-04-23 | 1620 | 1 | -- | -- | .31 | .05 | .13 | .06 | .19 | L.003 |
| 81-06-29 | 1045 | 1 | -- | 2.2 | .08 | .05 | .14 | L.01 | 0.15 | -- |
| 81-08-07 | 1250 | 1 | -- | 1.8 | .21 | .05 | .13 | L.01 | 0.14 | L.003 |
| 81-09-10 | 1330 | 1 | -- | 2.3 | .08 | .06 | .13 | L.01 | 0.14 | L.003 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 10MH10PB0001 LAT. 65D 25M 0S LONG. 114D 0M 29S
COPPERMINE RIVER AT OUTLET OF POINT LAKE, NORTHWEST TERRITORIES

| DATE YRD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15480L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-17 | 1410 | 1 | -- | -- | L.02 | L.0005 | L.0005 | L.01 | -- | L.04 |
| 80-03-19 | 1340 | 1 | .003 | 00.000 | L.02 | L.0005 | L.0005 | L.01 | -- | L.04 |
| 80-05-06 | 1545 | 1 | .003 | 00.000 | L.02 | L.0005 | L.0005 | -- | L.01 | -- |
| 80-07-09 | 1245 | 1 | L.003 | 00.000 | L.02 | L.0005 | L.0005 | -- | -- | -- |
| 80-08-18 | 1100 | 1 | 003 | 0.000 | -- | L.0005 | L.0005 | -- | -- | -- |
| 80-09-11 | 1350 | 1 | .004 | 0.001 | L.02 | L.0005 | L.0005 | -- | -- | -- |
| 81-01-05 | 1230 | 1 | L.002 | 00.000 | L.02 | L.0005 | L.0005 | -- | -- | -- |
| 81-04-23 | 1620 | 1 | L.003 | 00.000 | L.02 | L.0005 | .0007 | L.01 | -- | .10 |
| 81-06-29 | 1045 | 1 | 007 | -- | L.02 | L.0005 | L.0005 | L.01 | -- | L.04 |
| 81-08-07 | 1250 | 1 | 003 | 00.000 | L.02 | L.0005 | L.0005 | L.01 | -- | L.04 |
| 81-09-10 | 1330 | 1 | L.003 | 00.000 | .02 | L.0005 | L.0005 | L.01 | -- | .11 |

| DATE YRD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 26104P IRON DISSOLVED FE MG/L | 29305P COPPER EXTRBLE. CU MG/L | 29020P COPPER TOTAL RECOVERABLE CU MG/L | 82302P LEAD EXTRBLE. PB MG/L | 82020P LEAD TOTAL RECOVERABLE PB MG/L | 30305P ZINC EXTRBLE. ZN MG/L | 30020P ZINC TOTAL RECOVERABLE ZN MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-01-17 | 1410 | 1 | -- | L.001 | -- | L.004 | -- | L.001 | -- |
| 80-03-19 | 1340 | 1 | -- | .002 | -- | L.004 | -- | L.001 | -- |
| 80-05-06 | 1545 | 1 | -- | -- | 002 | -- | L.004 | -- | .004 |
| 80-07-09 | 1245 | 1 | -- | -- | .001 | -- | L.004 | -- | .007 |
| 80-08-18 | 1100 | 1 | -- | -- | .002 | -- | L.004 | -- | .007 |
| 80-09-11 | 1350 | 1 | -- | -- | .001 | -- | L.004 | -- | .007 |
| 81-01-05 | 1230 | 1 | -- | -- | .003 | -- | L.004 | -- | .006 |
| 81-04-23 | 1620 | 1 | -- | -- | .004 | -- | L.004 | -- | -- |
| 81-06-29 | 1045 | 1 | -- | -- | L.001 | -- | .004 | -- | .010 |
| 81-08-07 | 1250 | 1 | -- | -- | L.001 | -- | L.004 | -- | .002 |
| 81-09-10 | 1330 | 1 | -- | -- | .006 | -- | L.004 | -- | L.001 |

| DATE YRD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE. CO MG/L | 27020P COBALT TOTAL RECOVERABLE CO MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-01-17 | 1410 | 1 | L.001 | -- | L.002 | -- | -- | L.05 | -- |
| 80-03-19 | 1340 | 1 | L.001 | -- | L.002 | -- | -- | L.05 | -- |
| 80-05-06 | 1545 | 1 | -- | L.001 | -- | L.002 | .008 | -- | L.05 |
| 80-07-09 | 1245 | 1 | -- | L.001 | -- | .006 | .004 | -- | L.05 |
| 80-08-18 | 1100 | 1 | -- | L.001 | -- | L.002 | .002 | -- | L.05 |
| 80-09-11 | 1350 | 1 | -- | L.001 | -- | L.002 | .003 | -- | L.05 |
| 81-01-05 | 1230 | 1 | -- | L.001 | -- | .010 | .010 | -- | L.05 |
| 81-04-23 | 1620 | 1 | -- | L.001 | -- | L.002 | -- | -- | .05 |
| 81-06-29 | 1045 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 81-08-07 | 1250 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 81-08-10 | 1330 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |

| DATE YRD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 48302P CADMIUM EXTRBLE. CD MG/L | 48020P CADMIUM TOTAL RECOVERABLE CD MG/L | 80011P MERCURY TOTAL HG UG/L |
|---|---|---|---|---|---|
| 80-01-17 | 1410 | 1 | L.001 | -- | -- |
| 80-03-19 | 1340 | 1 | L.001 | -- | -- |
| 80-05-06 | 1545 | 1 | -- | .002 | -- |
| 80-07-09 | 1245 | 1 | -- | L.001 | -- |
| 80-08-18 | 1100 | 1 | -- | L.001 | -- |
| 80-09-11 | 1350 | 1 | -- | L.001 | -- |
| 81-01-05 | 1230 | 1 | -- | .001 | L.02 |
| 81-04-23 | 1620 | 1 | -- | L.001 | -- |
| 81-06-29 | 1045 | 1 | -- | L.001 | -- |
| 81-08-07 | 1250 | 1 | -- | L.001 | -- |
| 81-08-10 | 1330 | 1 | -- | L.001 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 08MH10QA0001 LAT. 67D 38M 05 LONG. 111D 53M 30S
TREE RIVER ABOUT 10 MILES ABOVE MOUTH, NORTHWEST TERRITORIES

| DATE YRD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C | 02061L TEMP. WATER DEG. C | 02041F SPECIFIC CONDUCT. US/E/CM | 02041L SPECIFIC CONDUCT. US/E/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-16 | 1352 | 1 | 0.0 | 17.9 | -- | 88. | -- | 7.7 | 4.0 | 15. |
| 80-03-18 | 1630 | 1 | 0.0 | 20.5 | -- | 104 | -- | 7.8 | 5.8 | 10. |
| 80-05-07 | 1425 | 1 | .5 | 18.4 | -- | 86. | -- | 7.5 | -- | 5. |
| 80-07-08 | 2230 | 1 | -- | 21.3 | -- | 88. | -- | 7.4 | 4.6 | 10. |
| 80-08-19 | 1015 | 1 | 8.0 | 17.0 | -- | 78. | -- | 7.5 | 3.6 | 10. |
| 80-09-12 | 0830 | 1 | -- | 20.4 | -- | 78. | -- | 7.6 | 2.5 | 10. |
| 81-01-06 | 1300 | 1 | 0.0 | 19.9 | -- | 77. | -- | 7.7 | 3.7 | 5. |
| 81-04-23 | 1258 | 1 | 0.0 | 18.7 | -- | 88. | -- | 7.7 | 1.6 | -- |
| 81-06-30 | 0730 | 1 | 6.0 | 22.0 | 68. | 70. | -- | 7.4 | 3.6 | -- |
| 81-08-06 | 1615 | 1 | -- | 25.9 | 75. | 77. | -- | 7.8 | 1.9 | -- |
| 81-09-10 | 0715 | 1 | 5.0 | 21.4 | -- | 58. | -- | 6.9 | 9.4 | -- |

| DATE YRD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-16 | 1352 | 1 | -- | 0. | 0.0 | 48. | 39.0 06L | 9.50 | 5.0 | 44.3 |
| 80-03-18 | 1630 | 1 | -- | 0. | 0.0 | 40. | 33.0 06L | 8.50 | 4.9 | 41.4 |
| 80-05-07 | 1425 | 1 | -- | 0. | 0.0 | 46. | 38.0 | 8.70 | 5.0 | 42.3 |
| 80-07-08 | 2230 | 1 | -- | 0 | 0.0 | 35. | 29.0 | 6.50 | 3.5 | 30.6 |
| 80-08-19 | 1015 | 1 | -- | 0. | 0.0 | 43. | 35.0 | 9.40 | 4.2 | 40.8 |
| 80-09-12 | 0830 | 1 | -- | 0. | 0.0 | 39. | 32.0 | 6.50 | 3.9 | 32.3 |
| 81-01-06 | 1300 | 1 | -- | 0. | 0.0 | 43. | 35.0 | 7.50 | 4.5 | 37.3 |
| 81-04-23 | 1258 | 1 | 10. | 0. | 0.0 | 49. | 40.0 | 9.50 | 6.0 | 48.4 |
| 81-06-30 | 0730 | 1 | 10. | 0. | 0.0 | 35. | 29.0 | 7.40 | 3.2 | 31.7 |
| 81-08-06 | 1615 | 1 | 5. | 0. | 0.0 | 39. | 32.0 | 7.30 | 3.8 | 33.9 |
| 81-09-10 | 0715 | 1 | 40. | 0. | 0.0 | 43. | 35.0 | 7.30 | 4.4 | 36.3 |

| DATE YRD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-16 | 1352 | 1 | 4. | 45. | .9 | .3 | 2.0 | L.05 | 2. | 1.4 |
| 80-03-18 | 1630 | 1 | 13. | 40. | .9 | .4 | 1.4 | L.05 | 2. | 1.6 |
| 80-05-07 | 1425 | 1 | 21. | 42. | .6 | .3 | 1.1 | L.05 | 2. | 1.3 |
| 80-07-08 | 2230 | 1 | 3. | 32. | .8 | .3 | 1.0 | L.05 | 1. | 1.1 |
| 80-08-19 | 1015 | 1 | 4. | 40. | 1.0 | .3 | 1.5 | L.05 | 1. | 1.3 |
| 80-09-12 | 0830 | 1 | 2. | 38. | 1.2 | .3 | 2.0 | L.05 | 2. | 1.3 |
| 81-01-06 | 1300 | 1 | 10. | 41. | 1.3 | .4 | 2.8 | .05 | 2. | 1.5 |
| 81-04-23 | 1258 | 1 | 2. | 45. | .7 | .5 | 1.1 | .06 | 2. | 1.4 |
| 81-06-30 | 0730 | 1 | 2. | 32. | .6 | .3 | 1.0 | L.05 | 1. | 1.1 |
| 81-08-06 | 1615 | 1 | 3. | 35. | .7 | .3 | 1.3 | L.05 | 1. | 1.3 |
| 81-09-10 | 0715 | 1 | 3. | -- | -- | .5 | -- | L.05 | 2. | 1.8 |

| DATE YRD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06002L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07851L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-16 | 1352 | 1 | 6.0 | 1.0 | .13 | .06 | .10 | .01 | .11 | L.003 |
| 80-03-18 | 1630 | 1 | 7.0 | 1.0 | .39 | .05 | .14 | .07 | .21 | .003 |
| 80-05-07 | 1425 | 1 | -- | 2.0 | .54 | .04 | .14 | .04 | .18 | .010 |
| 80-07-08 | 2230 | 1 | -- | 1.0 | .26 | .01 | .07 | .04 | .11 | L.003 |
| 80-08-19 | 1015 | 1 | -- | 2.0 | .17 | .04 | .09 | .05 | .14 | L.003 |
| 80-09-12 | 0830 | 1 | -- | L1.0 | .18 | .01 | .09 | .03 | .12 | L.003 |
| 81-01-06 | 1300 | 1 | -- | 1.0 | .02 | .08 | .13 | .03 | .16 | L.003 |
| 81-04-23 | 1258 | 1 | -- | -- | .19 | .05 | .11 | .04 | .15 | L.003 |
| 81-06-30 | 0730 | 1 | -- | 1.4 | .16 | .02 | .09 | .02 | .11 | L.003 |
| 81-08-06 | 1615 | 1 | -- | 1.5 | .19 | .06 | .14 | L.01 | 0.15 | L.003 |
| 81-09-10 | 0715 | 1 | -- | 2.4 | .18 | L.01 | .11 | .02 | .13 | .003 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - OOMN10QA0001 LAT. 67D 38M 05 LONG. 111D 53M 30S
TREE RIVER ABOUT 10 MILES ABOVE MOUTH, NORTHWEST TERRITORIES

| DATE YRD/ANJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-18 | 1352 | 1 | -- | -- | L.02 | L.0005 | L.0005 | L.01 | -- | .18 |
| 80-03-18 | 1630 | 1 | .014 | .011 | L.02 | L.0005 | L.0005 | L.01 | -- | .28 |
| 80-06-07 | 1425 | 1 | .013 | .003 | L.02 | L.0005 | L.0005 | -- | L.01 | -- |
| 80-07-08 | 2230 | 1 | .006 | Q.003 | L.02 | L.0005 | L.0005 | -- | -- | -- |
| 80-08-19 | 1015 | 1 | .008 | Q.005 | -- | L.0005 | L.0005 | -- | -- | -- |
| 80-08-12 | 0830 | 1 | L.003 | QQ.000 | L.02 | L.0005 | L.0005 | -- | -- | -- |
| 81-01-06 | 1300 | 1 | .005 | Q.002 | .03 | L.0005 | L.0005 | L.01 | -- | .17 |
| 81-04-23 | 1258 | 1 | .003 | QQ.000 | L.02 | L.0005 | L.0005 | L.01 | -- | .15 |
| 81-06-30 | 0730 | 1 | .006 | Q.003 | L.02 | L.0005 | L.0005 | L.01 | -- | .20 |
| 81-08-06 | 1615 | 1 | .005 | Q.002 | L.02 | L.0005 | L.0005 | -- | -- | -- |
| 81-09-10 | 0715 | 1 | .027 | .024 | .03 | L.0005 | L.0005 | L.01 | -- | .63 |

| DATE YRD/ANJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 26104P IRON DISSOLVED FE MG/L | 29305P COPPER EXTRBLE. CU MG/L | 29020P COPPER TOTAL RECOVERABLE CU MG/L | 82302P LEAD EXTRBLE. PB MG/L | 82020P LEAD TOTAL RECOVERABLE PB MG/L | 30305P ZINC EXTRBLE. ZN MG/L | 30020P ZINC TOTAL RECOVERABLE ZN MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-01-18 | 1352 | 1 | -- | L.001 | -- | L.004 | -- | .001 | -- |
| 80-03-18 | 1630 | 1 | -- | .003 | -- | L.004 | -- | .012 | -- |
| 80-06-07 | 1425 | 1 | -- | -- | .004 | -- | L.004 | -- | .036 |
| 80-07-08 | 2230 | 1 | -- | -- | .001 | -- | L.004 | -- | .008 |
| 80-08-19 | 1015 | 1 | -- | -- | .001 | -- | L.004 | -- | .004 |
| 80-08-12 | 0830 | 1 | -- | -- | .002 | -- | L.004 | -- | .003 |
| 81-01-06 | 1300 | 1 | -- | -- | .003 | -- | L.004 | -- | .005 |
| 81-04-23 | 1258 | 1 | -- | -- | .010 | -- | L.004 | -- | -- |
| 81-06-30 | 0730 | 1 | -- | -- | .001 | -- | .006 | -- | .011 |
| 81-08-06 | 1615 | 1 | -- | -- | .001 | -- | L.004 | -- | .003 |
| 81-09-10 | 0715 | 1 | -- | -- | .007 | -- | L.004 | -- | .003 |

| DATE YRD/ANJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE. CO MG/L | 27020P COBALT TOTAL RECOVERABLE CO MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-01-18 | 1352 | 1 | L.001 | -- | .003 | -- | -- | L.05 | -- |
| 80-03-18 | 1630 | 1 | L.001 | -- | L.002 | -- | -- | .05 | -- |
| 80-06-07 | 1425 | 1 | -- | .002 | -- | .004 | .011 | -- | L.05 |
| 80-07-08 | 2230 | 1 | -- | .003 | -- | L.002 | L.002 | -- | L.05 |
| 80-08-19 | 1015 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | .06 |
| 80-08-12 | 0830 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 81-01-06 | 1300 | 1 | -- | -- | -- | .002 | .003 | -- | .06 |
| 81-04-23 | 1258 | 1 | -- | L.001 | -- | L.002 | -- | -- | .06 |
| 81-06-30 | 0730 | 1 | -- | L.001 | -- | L.002 | .004 | -- | L.05 |
| 81-08-06 | 1615 | 1 | -- | L.001 | -- | L.002 | .003 | -- | L.05 |
| 81-09-10 | 0715 | 1 | -- | .002 | -- | L.002 | L.002 | -- | L.05 |

| DATE YRD/ANJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 48302P CADMIUM EXTRBLE. CD MG/L | 48020P CADMIUM TOTAL RECOVERABLE CD MG/L | 80011P MERCURY TOTAL HG UG/L |
|---|---|---|---|---|---|
| 80-01-18 | 1352 | 1 | L.001 | -- | -- |
| 80-03-18 | 1630 | 1 | L.001 | -- | -- |
| 80-06-07 | 1425 | 1 | -- | .003 | -- |
| 80-07-08 | 2230 | 1 | -- | L.001 | -- |
| 80-08-19 | 1015 | 1 | -- | L.001 | -- |
| 80-08-12 | 0830 | 1 | -- | L.001 | -- |
| 81-01-06 | 1300 | 1 | -- | L.001 | .03 |
| 81-04-23 | 1258 | 1 | -- | L.001 | -- |
| 81-06-30 | 0730 | 1 | -- | L.001 | -- |
| 81-08-06 | 1615 | 1 | -- | L.001 | -- |
| 81-09-10 | 0715 | 1 | -- | L.001 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

STATION - 00NW10QD0001 LAT. 67D 42M 29S LONG. 104D 8M 30S
ELLICE RIVER NEAR MOUTH, NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C. | 02061L TEMP. WATER DEG. C. | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-21 | 1455 | 1 | 0.0 | 7.3 | -- | 34. | -- | 6.5 | 2.8 | 15. |
| 80-07-10 | 1530 | 1 | -- | 21.2 | -- | 22. | -- | 6.8 | 7.4 | 20. |
| 80-08-03 | 1005 | 1 | .9 | 21.3 | -- | 60. | -- | 6.9 | 22.0 | 70. |
| 81-01-08 | 1300 | 1 | 0.0 | 20.1 | -- | 55. | -- | 6.4 | 2.5 | 10. |
| 81-04-22 | 1730 | 1 | 0.0 | 18.7 | -- | 64. | -- | 6.3 | 1.8 | -- |
| 81-07-01 | 0730 | 1 | 11.0 | 21.6 | 28. | 28. | 6.7 | 6.8 | 14.0 | -- |
| 81-08-04 | 1700 | 1 | 13.0 | 26.0 | -- | 31. | -- | 6.7 | 3.6 | -- |
| 81-09-08 | 1600 | 1 | 4.0 | 21.4 | 48. | 58. | 6.4 | 6.9 | 9.4 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOLPHTHALEIN CACO3 MG/L | 06201L BICARBONAT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-21 | 1455 | 1 | -- | 0. | 0.0 | 6. | 5.0 06L | 1.80 | 1.1 | 9.0 |
| 80-07-10 | 1530 | 1 | -- | 0. | 0.0 | 4. | 3.0 | L.10 | .7 | 03.1 |
| 80-08-03 | 1005 | 1 | -- | 0. | 0.0 | 10. | 8.0 | 2.50 | 2.4 | 16.1 |
| 81-01-08 | 1300 | 1 | -- | 0. | 0.0 | 12. | 10.0 | 2.70 | 2.0 | 15.0 |
| 81-04-22 | 1730 | 1 | 20. | 0. | 0.0 | 12. | 10.0 | 5.00 | 3.0 | 24.8 |
| 81-07-01 | 0730 | 1 | 20. | 0. | 0.0 | 4. | 3.2 | .50 | .3 | 2.5 |
| 81-08-04 | 1700 | 1 | 10. | 0. | 0.0 | 3. | 2.8 | 1.80 | 1.3 | 9.9 |
| 81-09-08 | 1600 | 1 | 40. | 0. | 0.0 | 7. | 6.0 | 1.80 | 1.7 | 11.5 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-21 | 1455 | 1 | 3. | 15. | 1.8 | .5 | 2.9 | L.05 | 4. | .6 |
| 80-07-10 | 1530 | 1 | 4. | 8 | 1.5 | .4 | 2.3 | L.05 | 1. | .2 |
| 80-08-03 | 1005 | 1 | 13 | 31 | 5.4 | .7 | 9.9 | L.05 | 3. | 2.2 |
| 81-01-08 | 1300 | 1 | 6. | 26. | 3.0 | .9 | 4.3 | .07 | 5. | 1.6 |
| 81-04-22 | 1730 | 1 | L1 | 31. | 3.5 | .9 | 5.0 | .09 | 6. | 1.6 |
| 81-07-01 | 0730 | 1 | 12. | 10. | 1.2 | 1.6 | 3.4 | L.05 | 1. | .4 |
| 81-08-04 | 1700 | 1 | 2. | 11. | 1.3 | .3 | 2.2 | L.05 | 2. | .4 |
| 81-09-08 | 1600 | 1 | 5. | -- | -- | .6 | -- | L.05 | 2. | 1.6 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-21 | 1455 | 1 | 1.0 | 3.0 | .21 | .06 | .19 | .03 | .22 | L.003 |
| 80-07-10 | 1530 | 1 | -- | 2.0 | .40 | L.01 | .18 | .07 | .25 | L.003 |
| 80-08-03 | 1005 | 1 | -- | 5.0 | .61 | L.01 | .20 | .09 | .29 | .014 |
| 81-01-08 | 1300 | 1 | -- | 4.0 | .30 | .12 | .30 | .05 | .35 | L.003 |
| 81-04-22 | 1730 | 1 | -- | -- | .22 | .21 | .45 | .05 | .50 | .003 |
| 81-07-01 | 0730 | 1 | -- | 2.4 | .38 | L.01 | .13 | .06 | .19 | L.003 |
| 81-08-04 | 1700 | 1 | -- | 2.7 | .47 | L.01 | .14 | .06 | .20 | L.003 |
| 81-09-08 | 1600 | 1 | -- | 4.1 | .46 | L.01 | .23 | .05 | .28 | .003 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 00NW10080001 LAT. 67D 42M 29S LONG. 104D 8M 30S
ELLICE RIVER NEAR MOUTH. NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-01-21 | 1455 | 1 | -- | -- | L.02 | L.0005 | L.0005 | L.01 | -- | .08 |
| 80-07-10 | 1530 | 1 | .010 | 0.007 | L.02 | L.0005 | L.0005 | -- | -- | -- |
| 80-08-03 | 1005 | 1 | .030 | .016 | .06 | L.0005 | L.0005 | -- | -- | -- |
| 81-01-08 | 1300 | 1 | .008 | 0.005 | .04 | L.0005 | L.0005 | -- | -- | -- |
| 81-04-22 | 1730 | 1 | -- | -- | .05 | L.0005 | .0007 | L.01 | -- | .06 |
| 81-07-01 | 0730 | 1 | .015 | 0.012 | .02 | L.0005 | L.0005 | L.01 | -- | .28 |
| 81-08-04 | 1700 | 1 | .015 | 0.012 | L.02 | L.0005 | L.0005 | L.01 | -- | .12 |
| 81-08-08 | 1600 | 1 | .030 | .027 | .04 | L.0005 | L.0005 | L.01 | -- | .35 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 26104P IRON DISSOLVED FE MG/L | 29305P COPPER EXTRBLE. CU MG/L | 29020P COPPER TOTAL RECOVERABLE CU MG/L | 82302P LEAD EXTRBLE. PB MG/L | 82020P LEAD TOTAL RECOVERABLE PB MG/L | 30305P ZINC EXTRBLE. ZN MG/L | 30020P ZINC TOTAL RECOVERABLE ZN MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-01-21 | 1455 | 1 | -- | .001 | -- | L.004 | -- | .005 | -- |
| 80-07-10 | 1530 | 1 | -- | -- | .001 | -- | L.004 | -- | .008 |
| 80-08-03 | 1005 | 1 | -- | -- | .002 | -- | L.004 | -- | .014 |
| 81-01-08 | 1300 | 1 | -- | -- | .003 | -- | .005 | -- | .012 |
| 81-04-22 | 1730 | 1 | -- | -- | .005 | -- | L.004 | -- | -- |
| 81-07-01 | 0730 | 1 | -- | -- | .002 | -- | .007 | -- | .012 |
| 81-08-04 | 1700 | 1 | -- | -- | L.001 | -- | L.004 | -- | .004 |
| 81-08-08 | 1600 | 1 | -- | -- | .010 | -- | L.004 | -- | .008 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE. CO MG/L | 27020P COBALT TOTAL RECOVERABLE CO MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-01-21 | 1455 | 1 | L.001 | -- | .002 | -- | -- | L.05 | -- |
| 80-07-10 | 1530 | 1 | -- | .002 | -- | L.002 | L.002 | -- | L.05 |
| 80-08-03 | 1005 | 1 | -- | L.001 | -- | L.002 | .005 | -- | L.05 |
| 81-01-08 | 1300 | 1 | -- | L.001 | -- | .005 | .010 | -- | L.05 |
| 81-04-22 | 1730 | 1 | -- | L.001 | -- | L.002 | -- | -- | L.05 |
| 81-07-01 | 0730 | 1 | -- | .001 | -- | L.002 | .004 | -- | L.05 |
| 81-08-04 | 1700 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 81-08-08 | 1600 | 1 | -- | .001 | -- | L.002 | L.002 | -- | L.05 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 48302P CADMIUM EXTRBLE. CD MG/L | 48020P CADMIUM TOTAL RECOVERABLE CD MG/L | 80011P MERCURY TOTAL HG UG/L |
|---|---|---|---|---|---|
| 80-01-21 | 1455 | 1 | L.001 | -- | -- |
| 80-07-10 | 1530 | 1 | -- | L.001 | -- |
| 80-08-03 | 1005 | 1 | -- | L.001 | -- |
| 81-01-08 | 1300 | 1 | -- | .001 | .02 |
| 81-04-22 | 1730 | 1 | -- | L.001 | -- |
| 81-07-01 | 0730 | 1 | -- | L.001 | -- |
| 81-08-04 | 1700 | 1 | -- | L.001 | -- |
| 81-08-08 | 1600 | 1 | -- | L.001 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 08NN10RC0001 LAT. 68D 4M 59S LONG. 98D 30M 0S
BACK RIVER BELOW DEEP ROSE LAKE. NORTHWEST TERRITORIES

| DATE YRMD/ANJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C. | 02061L TEMP. WATER DEG. C. | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-23 | 1114 | 1 | 0.0 | 16.9 | -- | 25. | -- | 6.6 | .6 | 5. |
| 80-07-08 | 1300 | 1 | -- | 20.1 | -- | 19. | -- | 6.8 | 2.0 | 10 |
| 80-08-17 | 1600 | 1 | 4.0 | 18.5 | -- | 23 | -- | 6.8 | 4.7 | 20. |
| 81-05-23 | 1400 | 1 | 0.0 | 19.6 | -- | 18. | -- | 6.0 | .5 | -- |
| 81-07-15 | 1900 | 1 | 4.0 | 21.1 | -- | 19. | -- | 6.9 | .9 | -- |
| 81-08-27 | 1900 | 1 | 6.0 | 21.3 | 28. | 35 | -- | 6.9 | .6 | -- |

| DATE YRMD/ANJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-23 | 1114 | 1 | -- | 0. | 0.0 | 7. | 6.0 | 1.30 | 1.2 | 8.2 |
| 80-07-08 | 1300 | 1 | -- | 0. | 0.0 | 5. | 4.0 | 1.80 | .7 | 7.4 |
| 80-08-17 | 1600 | 1 | -- | 0. | 0.0 | 5. | 4.0 | 2.00 | 1.2 | 9.9 |
| 81-05-23 | 1400 | 1 | 5. | 0. | 0.0 | 4. | 3.0 | 1.20 | 1.0 | 7.1 |
| 81-07-15 | 1900 | 1 | 20 | 0. | 0.0 | 6. | 5.0 | 1.40 | 1. | 3.8 |
| 81-08-27 | 1900 | 1 | 10 | 0 | 0.0 | 7 | 6.0 | 1.30 | 1.0 | 7.4 |

| DATE YRMD/ANJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 70401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-23 | 1114 | 1 | 3 01R | 11. | .6 | .6 | 1.3 | L.05 | 2. | .2 |
| 80-07-08 | 1300 | 1 | L1. | 8. | .5 | .4 | .8 | L.05 | 1. | .2 |
| 80-08-17 | 1600 | 1 | 4 | 12. | 1.3 | .4 | 1.6 | L.05 | 2. | .9 |
| 81-05-23 | 1400 | 1 | 1. | 7. | .7 | .3 | 1.1 | -- | 1. | .2 |
| 81-07-15 | 1900 | 1 | 8 | 8. | .5 | .4 | .6 | L.05 | 1. | .6 |
| 81-08-27 | 1900 | 1 | 2 | 09 | .5 | .4 | .9 | L.05 | 1. | L.1 |

| DATE YRMD/ANJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-23 | 1114 | 1 | -- | 2.0 04R | 26 02R | 10 10R | .41 51R | .04 02R | .45 | L.003 03R |
| 80-07-08 | 1300 | 1 | -- | 2.0 | .27 | L.01 | .09 | .04 | .13 | L.003 |
| 80-08-17 | 1600 | 1 | -- | 3.0 | .29 | L.01 | .28 | .06 | .34 | .003 |
| 81-05-23 | 1400 | 1 | -- | 2.0 | .41 | .20 | .46 | 08 | .54 | L.003 |
| 81-07-15 | 1900 | 1 | -- | 2.5 | 43 | 03 | .23 | 06 | .29 | L.003 |
| 81-08-27 | 1900 | 1 | -- | 2.0 | .17 | L.01 | .11 | .02 | .13 | L.003 |

| DATE YRMD/ANJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-23 | 1114 | 1 | .017 | 0.014 | L.02 | L.0005 | L.0005 | -- | L.01 04R | -- |
| 80-07-08 | 1300 | 1 | .004 | 0.001 | L.02 | L.0005 | L.0005 | -- | -- | -- |
| 80-08-17 | 1600 | 1 | .008 | 005 | .03 | L.0005 | L.0005 | L.01 | -- | .27 |
| 81-05-23 | 1400 | 1 | .011 | 0.008 | .03 | L.0005 | L.0005 | L.01 | -- | L.04 |
| 81-07-15 | 1900 | 1 | .018 | 0.015 | L.02 | L.0005 | L.0005 | .01 | -- | .20 |
| 81-08-27 | 1900 | 1 | .021 | 0.018 | L.02 | L.0005 | L.0005 | L.01 | -- | .04 |

| DATE YRMD/ANJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 26104P IRON DISSOLVED FE MG/L | 29305P COPPER EXTRBLE. CU MG/L | 29020P COPPER TOTAL RECOVERABLE CU MG/L | 82302P LEAD EXTRBLE. PB MG/L | 82020P LEAD TOTAL RECOVERABLE PB MG/L | 30305P ZINC EXTRBLE. ZN MG/L | 30020P ZINC TOTAL RECOVERABLE ZN MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-04-23 | 1114 | 1 | L.04 04R | -- | .003 20W | -- | .004 20W | -- | .011 20W |
| 80-07-08 | 1300 | 1 | -- | -- | .001 | -- | L.004 | -- | .017 |
| 80-08-17 | 1600 | 1 | -- | -- | .002 | -- | L.004 | -- | L.001 |
| 81-05-23 | 1400 | 1 | -- | -- | .002 | -- | -- | -- | L.004 |
| 81-07-15 | 1900 | 1 | -- | -- | L.001 | -- | L.004 | -- | .004 |
| 81-08-27 | 1900 | 1 | -- | -- | L.001 | -- | L.004 | -- | .005 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 09MN10RC0001 LAT. 68D 4M 58S LONG. 98D 30M 0S
BACK RIVER BELOW DEEP ROSE LAKE. NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE. CO MG/L | 27020P COBALT TOTAL RECOVERABLE CO MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-04-23 | 1114 | 1 | -- | L.001 20W | -- | .004 20W | -- | -- | L.05 20W |
| 80-07-08 | 1300 | 1 | -- | .003 | -- | L.002 | .003 | -- | L.05 |
| 80-08-17 | 1600 | 1 | -- | L.001 | -- | L.002 | .005 | -- | L.05 |
| 81-06-23 | 1400 | 1 | -- | .002 | -- | .002 | L.001 | -- | L.05 |
| 81-07-15 | 1900 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 81-08-27 | 1900 | 1 | -- | .001 | -- | L.002 | L.002 | -- | L.05 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 48302P CADMIUM EXTRBLE. CD MG/L | 48020P CADMIUM TOTAL RECOVERABLE CD MG/L | 80011P MERCURY TOTAL HG UG/L |
|---|---|---|---|---|---|
| 80-04-23 | 1114 | 1 | -- | .002 20W | L.02 11W |
| 80-07-08 | 1300 | 1 | -- | L.001 | .03 |
| 80-08-17 | 1600 | 1 | -- | L.001 | .02 |
| 81-06-23 | 1400 | 1 | -- | L.001 | -- |
| 81-07-15 | 1900 | 1 | -- | L.001 | -- |
| 81-08-27 | 1900 | 1 | -- | L.001 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 01NM008A0001 LAT. 64D 19M 9S LONG. 96D 1M 40S
BAKER LAKE 1.6 KM FROM BAKER LAKE SETTLEMENT, NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C. | 02061L TEMP. WATER DEG. C. | 02041F SPECIFIC CONDUCT. US/CM | 02041L SPECIFIC CONDUCT. US/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-26 | 1800 | 1 | 0.0 | 15.8 | -- | 79. | -- | 6.6 | 5.0 | 10. |
| 80-07-28 | 1530 | 1 | 1.0 | 21.6 | -- | 1282. | -- | 6.8 | .3 | 10. |
| 80-08-30 | 1000 | 1 | 0.0 | 23.2 | -- | 93. | -- | 7.0 | 2.2 | 20. |
| 81-04-21 | 1100 | 1 | 0.0 | 18.5 | 32. | 44. | 5.6 | 6.6 | .5 | -- |
| 81-07-23 | 1200 | 1 | 3.0 | 21.2 | -- | 2180. | -- | 7.0 | .3 | -- |
| 81-08-11 | 1745 | 1 | 2.0 | 23.3 | -- | 765. | 7.2 | 7.0 | .3 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-26 | 1800 | 1 | -- | 0. | 0.0 | 4. | 3.0 | 4.80 | 2.5 | 22.3 |
| 80-07-28 | 1530 | 1 | -- | 0. | 0.0 | 11. | 9.0 | 10.50 | 23.5 | 123.0 |
| 80-08-30 | 1000 | 1 | -- | 0. | 0.0 | 7. | 6.0 | 1.90 | 1.6 | 11.3 |
| 81-04-21 | 1100 | 1 | 10. | 0. | 0.0 | 11. | 9.0 | 3.40 | 1.2 | 13.4 |
| 81-07-23 | 1200 | 1 | 5. | 0. | 0.0 | 15. | 12.0 | 14.00 | 38.5 | 193.5 |
| 81-08-11 | 1745 | 1 | 10. | 0. | 0.0 | 10. | 8.0 | 7.80 | 14.9 | 80.8 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-26 | 1800 | 1 | 8. | -- | 1.8 | 1.1 | 3.2 | -- | -- | .4 |
| 80-07-28 | 1530 | 1 | L1. | 638. | 196.0 | 7.8 | 350.0 | .08 | 44. | .5 |
| 80-08-30 | 1000 | 1 | -- | 38. | 8.5 | .7 | 19.0 | .07 | 3. | .1 |
| 81-04-21 | 1100 | 1 | L1. | 20. | 2.0 | 1.0 | 4.4 | .09 | 2. | .2 |
| 81-07-23 | 1200 | 1 | 1. | 1040. | 310.0 | 12.0 | 580.0 | L.05 | 78. | .4 |
| 81-08-11 | 1745 | 1 | L1. | 372. | 110.0 | 4.8 | 205.0 | .07 | 24. | .4 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-26 | 1800 | 1 | -- | 3.0 | .29 | .07 | .36 | .05 | .41 | L.003 |
| 80-07-28 | 1530 | 1 | -- | 2.0 | .09 | .06 | .16 | .01 | .17 | L.003 |
| 80-08-30 | 1000 | 1 | -- | 2.0 04R | .15 02R | .01 10R | .14 51R | .04 02R | .18 | .003 03R |
| 81-04-21 | 1100 | 1 | -- | -- | .41 | .05 | .20 | .08 | .28 | .004 |
| 81-07-23 | 1200 | 1 | -- | 2.4 | .20 | .02 | .15 | .03 | .18 | L.003 |
| 81-08-11 | 1745 | 1 | -- | 1.6 | .10 | .05 | .15 | L.01 | 0.16 | L.003 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-04-26 | 1800 | 1 | .180 | 0.157 | .07 | L.0005 | L.0005 | -- | L.01 | -- |
| 80-07-28 | 1530 | 1 | .033 | 0.030 | .10 | L.0005 | L.0005 | -- | -- | -- |
| 80-08-30 | 1000 | 1 | .008 | .005 | L.02 | L.0005 | L.0005 | L.01 04N | -- | .05 04N |
| 81-04-21 | 1100 | 1 | .027 | .023 | L.02 | .0006 | L.0005 | L.01 | -- | L.04 |
| 81-07-23 | 1200 | 1 | .007 | 0.004 | .22 | L.0005 | L.0005 | L.01 | -- | L.04 |
| 81-08-11 | 1745 | 1 | -- | -- | .07 | L.0005 | L.0005 | L.01 | -- | L.04 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 26104P IRON DISSOLVED FE MG/L | 29305P COPPER EXTRBLE. CU MG/L | 29020P COPPER TOTAL RECOVERABLE CU MG/L | 82302P LEAD EXTRBLE. PB MG/L | 82020P LEAD TOTAL RECOVERABLE PB MG/L | 30305P ZINC EXTRBLE. ZN MG/L | 30020P ZINC TOTAL RECOVERABLE ZN MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-04-26 | 1800 | 1 | -- | -- | .003 | -- | L.004 | -- | .025 |
| 80-07-28 | 1530 | 1 | -- | -- | L.001 | -- | L.004 | -- | .001 |
| 80-08-30 | 1000 | 1 | -- | -- | .003 20N | -- | .006 20N | -- | .005 20N |
| 81-04-21 | 1100 | 1 | -- | -- | .005 | -- | .005 | -- | -- |
| 81-07-23 | 1200 | 1 | -- | -- | .011 | -- | L.004 | -- | .005 |
| 81-08-11 | 1745 | 1 | -- | -- | .008 | -- | L.004 | -- | .005 |

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 01KHOBMA0001 LAT 64D 19M 9S LONG. 96D 1M 49S
BAKER LAKE 1.6 KM FROM BAKER LAKE SETTLEMENT, NORTHWEST TERRITORIES

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 23302P VANADIUM EXTRBLE. V MG/L | 23020P VANADIUM TOTAL RECOVERABLE VA MG/L | 27302P COBALT EXTRBLE. CO MG/L | 27020P COBALT TOTAL RECOVERABLE CO MG/L | 28020P NICKEL TOTAL RECOVERABLE NI MG/L | 56301P BARIUM EXTRBLE. BA MG/L | 56020P BARIUM TOTAL RECOVERABLE BA MG/L |
|---|---|---|---|---|---|---|---|---|---|
| 80-04-26 | 1600 | 1 | -- | L.001 | -- | .003 | .009 | -- | L.05 |
| 80-07-28 | 1530 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 80-08-30 | 1000 | 1 | -- | L.001 20W | -- | L.002 20W | -- | -- | L.05 20W |
| 81-04-21 | 1100 | 1 | -- | L.001 | -- | L.002 | -- | -- | .11 |
| 81-07-23 | 1200 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | L.05 |
| 81-09-11 | 1745 | 1 | -- | L.001 | -- | L.002 | L.002 | -- | .05 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 48302P CADMIUM EXTRBLE. CD MG/L | 48020P CADMIUM TOTAL RECOVERABLE CD MG/L | 80011P MERCURY TOTAL HG UG/L |
|---|---|---|---|---|---|
| 80-04-26 | 1600 | 1 | -- | .002 | .02 |
| 80-07-28 | 1530 | 1 | -- | L.001 | .04 |
| 80-08-30 | 1000 | 1 | -- | .001 20W | L.02 11W |
| 81-04-21 | 1100 | 1 | -- | L.001 | -- |
| 81-07-23 | 1200 | 1 | -- | L.001 | -- |
| 81-09-11 | 1745 | 1 | -- | L.001 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

# PART II

# DATA FROM ARCTIC ISLANDS

# PARTIE II

# DONNÉES RECUEILLIES DANS LES ÎLES DE L'ARCTIQUE

## SURFACE WATER DATA

The following data are for samples collected in conjunction with the Cape Herschel Project of the Geological Survey of Canada (Terrain Sciences Division) during 1980 and 1981. The project's campsite was at the meteorological station of the North Water Project (E.T.H., Zurich, Switzerland), which is on Cape Herschel, 60 m ASL at latitude 78°37′N and longitude 074°42′W (UTM: 18/507050mE/8727600mN).

Under WQB Project sub-ID 0467, surface water samples were collected by W. Blake, Jr. (GSC).

These data form the basis of a recent manuscript entitled "A Reconnaissance Survey of the Environmental Chemistry in East-Central Ellesmere Island, N.W.T.", which also includes water quality data from 1979.

## DONNÉES SUR LES EAUX DE SURFACE

Les données présentées ci-après viennent des échantillons prélevés dans le cadre de travaux conjoints avec le Programme d'étude du cap Herschel de la Commission géologique du Canada (Division de la science des terrains) en 1980 et 1981. Le camp était établi à la station météorologique du Programme d'étude des eaux du nord (E.T.H., Zurich, Suisse) qui se situe sur le cap Herschel, à une altitude de 60 m au-dessus du niveau de la mer, par 78° 37′ de latitude N et 074° 42′ de longitude O (coordonnées UTM: 18/507050 mE/8727600mN).

Des échantillons d'eau de surface étaient prélevés par W. Blake Jr. (CGC) dans le cadre du Programme d'étude sub-ID 0467, de la DQE.

Un manuscrit récent intitulé «*A Reconnaissance Survey of the Environmental Chemistry in East-Central Ellesmere Island, N.W.T.*» se base sur les données renfermées dans le présent rapport ainsi que sur d'autres données sur la qualité de l'eau recueillies en 1979.

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 09HH10TC0007 — LAT. 780 41M 40S LONG. 740 22M 58S
PHOTEUS LAKE, SE SIDE OF PIM ISLAND, ELLESMERE ISLAND, N.W.T. — ABOUT 11KM NNE OF REF STN 30HH10TC0015
ELEV 390 M ASL — NTS MAP 39E&39F 1/250,000

| DATE | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG C | 02061L TEMP. WATER DEG C | 02041F SPECIFIC CONDUCT US/CM | 02041L SPECIFIC CONDUCT. US/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-06-05 | 1200 | 467 | -- | 19.1 | -- | 163 | -- | 7.2 | 5.3 | 10. |
| 80-06-12 | 1200 | 467 | -- | 19.1 | -- | 75 | -- | 7.2 | 3.0 | 5 |
| 81-06-04 | 1200 | 467 | -- | 20.0 | -- | 89 | 6.8 | 6.7 | 2.5 | -- |

| DATE | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-06-05 | 1200 | 467 | -- | -- | 0.0 | -- | -- | 18.60 | 5.0 | 67.0 |
| 80-06-12 | 1200 | 467 | -- | -- | 0.0 | -- | -- | 5.20 | 2.4 | 22.9 |
| 81-06-04 | 1200 | 467 | -- | 0 | 0.0 | 28. | 23.0 | 7.00 | 3.6 | 32.3 |

| DATE | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-06-05 | 1200 | 467 | -- | -- | 5.9 | 7 | 10.2 03L | -- | 6 | 13.1 02L |
| 80-06-12 | 1200 | 467 | -- | -- | 5.1 | .8 | 10.0 03L | -- | 2. | .6 02L |
| 81-06-04 | 1200 | 467 | -- | -- | 5.0 | .6 | 10.0 | -- | 2. | -- |

| DATE | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07851L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-06-05 | 1200 | 467 | -- | 1.6 | -- | 1.56 12L | -- | -- | -- | -- |
| 80-06-12 | 1200 | 467 | -- | 1.3 | -- | .02 12L | -- | -- | -- | -- |

| DATE | TIME/ HEURE | SUB-ID/ SOUS-ID | 07010L NITROGEN TOTAL KJELDAHL N MG/L | 10116L ALKALINITY TOTAL UNFILT CACO3 MG/L | 07505L NITROGEN TOTAL AMMONIA N MG/L | 97251S DEPTH OF SAMPLING FROM SURF. M | 97261S DEPTH OF SAMPLING FROM BOTTOM M |
|---|---|---|---|---|---|---|---|
| 80-06-05 | 1200 | 467 | .384 | 85.0 | -- | -- | 0.0 |
| 80-06-12 | 1200 | 467 | .485 | 23.0 | -- | -- | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT — G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION — G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 00NW10TC0011 LAT 78D 29M 30S LONG 78D 31M 28S
LAKE IN COL ON SOUTH SIDE OF BAIRD INLET, ELLESMERE ISLAND, N.W.T. ABOUT 43KM WSW OF REF STN 00NW10TC0015
ELEV. 300 M ASL. NTS MAP 39H&39E 1/250,000

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C | 02061L TEMP. WATER DEG. C | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-06-06 | 1200 | 467 | -- | 19.1 | -- | 35. | -- | 6.6 | -- | 5. |
| 80-06-07 | 1200 | 467 | -- | 19.0 | -- | 28. | -- | 6.5 | 2.0 | 5 |
| 81-06-23 | 1200 | 467 | -- | 20.0 | -- | 10. | 6.2 | 6.1 | .4 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-06-06 | 1200 | 467 | -- | -- | 0.0 | -- | -- | 2.70 | 1.0 | 10.9 |
| 80-06-07 | 1200 | 467 | -- | -- | 0.0 | -- | -- | 2.00 | .9 | 8.7 |
| 81-06-23 | 1200 | 467 | 5 | 0. | 0.0 | 1. | 1.0 | L.10 | 0 | 0.4 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-06-06 | 1200 | 467 | -- | -- | 1.3 | .5 | 2.3 03L | -- | 2. | 2.7 02L |
| 80-06-07 | 1200 | 467 | -- | -- | 1.7 | .6 | 2.3 03L | -- | 2. | 1.4 02L |
| 81-06-23 | 1200 | 467 | -- | -- | .4 | L.1 | .5 | -- | L1. | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-06-06 | 1200 | 467 | -- | 1.2 | -- | .00 12L | -- | -- | -- | -- |
| 80-06-07 | 1200 | 467 | -- | 1.2 | -- | .00 12L | -- | -- | -- | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 07010L NITROGEN TOTAL KJELDAHL N MG/L | 10116L ALKALINITY TOTAL UNFILT CACO3 MG/L | 07505L NITROGEN TOTAL AMMONIA N MG/L | 97251S DEPTH OF SAMPLING FROM SURF. M | 97261S DEPTH OF SAMPLING FROM BOTTOM M |
|---|---|---|---|---|---|---|---|
| 80-06-06 | 1200 | 467 | .882 | 19.0 | -- | -- | 0.0 |
| 80-06-07 | 1200 | 467 | .250 | 13.0 | -- | -- | 0.0 |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 01NW10TC0012 LAT. 78D 29M 30S LONG. 78D 48M 10S
LAKE IN BEDROCK BASIN ON SOUTH SIDE OFBAIRD INLET, ELLESMERE ISLAND, N.W.T. ABOUT 48KM WSW OF REF STN 30NW10TC0015
ELEV. 295 M ASL NTS MAP 39F&39E 1/250,000

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG.C. | 02061L TEMP. WATER DEG.C | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-25 | 1200 | 487 | -- | 20.0 | -- | 10. | 6.0 | 6.1 | .3 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-25 | 1200 | 487 | 5. | 00. | 0.0 | 01 | L1.0 | L.10 | .0 | 0.4 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-25 | 1200 | 487 | -- | -- | .4 | L.1 | .6 | -- | 1. | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - [illegible] LAT. 79D 0[illegible] 05 LONG. 76D 0[illegible] 11S
LAKE, EASTERN END HAND PENINSULA ELLESMERE ISLAND, N.W.T. ABOUT 62 KM NNW OF REF STN 30NW10TC001
ELEV. 70 M ASL NTS MAP 39G 1/250,000

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG C | 02061L TEMP. WATER DEG C | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-08-11 | 1200 | 407 | -- | -- | -- | 175 | 7.5 | 7.3 | .2 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL-PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-08-11 | 1200 | 407 | 15 | 0 | 0.0 | 91 | 75.0 | 19.80 | 7.3 | 79.5 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-08-11 | 1200 | 407 | -- | -- | 3.1 | 1.4 | 5.6 | -- | 3 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06802L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07802L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-08-11 | 1200 | 407 | -- | -- | -- | -- | .21 | -- | -- | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION 01NW10TC0028 — LAT 78D 40M 48S LONG 78D 10M 0S
ICE-DAMMED LAKE ON NW SIDE OF SAATE GLACIER, JOHAN PENN ELLESMERE IS NWTABOUT 26KM NNW OF REF STN 30NW10TC0015
ELEV 325 M ASL — NTS MAP 39F - 39E 1/250,000

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG C | 02061L TEMP. WATER DEG C | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-18 | 1200 | 487 | -- | 20.0 | -- | 13 | 5.8 | 6.6 | 3 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-18 | 1200 | 487 | 5 | 00 | C.0 | C1 | L1.0 | L.10 | 1 | 0.5 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-18 | 1200 | 487 | -- | -- | 8 | L.1 | 1.3 | -- | 1 | -- |

FOOTNOTE L - LESS THAN DETECTION LIMIT — G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN L - PLUS PETIT QUE LA LIMITE DE DETECTION — G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION — 03MH10TC0030 LAT. 780 48M 17S LONG. 740 37M 58S
"WEST LAKE". WESTERN PIM ISLAND. ELLESMERE ISLAND, N.W.T. ABOUT 14KM N. OF REF STN 30MH10TC0015
ELEV. 315 M ASL NTS MAP 39F +39E 1/250,000

| DATE | TIME / SUB-ID/ | | 02061F TEMP. WATER | 02061L TEMP. WATER | 02041F SPECIFIC CONDUCT. | 02041L SPECIFIC CONDUCT. | 10301F PH | 10301L PH | 07073L TURBIDITY | 02011L COLOUR APPARENT |
|---|---|---|---|---|---|---|---|---|---|---|
| YRD/ANJ | HEURE | SOUS-ID | DEG. C | DEG. C | USIE/CM | USIE/CM | PH UNITS | PH UNITS | JTU | REL. UNITS |
| 81-08-07 | 1200 | 487 | -- | 20.0 | -- | 53. | 4.3 | 7.2 | -- | L5 |

| DATE | TIME / SUB-ID/ | | 02021L COLOUR TRUE | 06301L CARBONATE (CALCD.) | 10151L ALKALINITY PHENOL PHTHALEIN | 06201L BICARBONT. (CALCD.) | 10101L ALKALINITY TOTAL | 20103L CALCIUM DISSOLVED | 12102L MAGNESIUM DISSOLVED | 10602L HARDNESS TOTAL (CALCD.) |
|---|---|---|---|---|---|---|---|---|---|---|
| YRD/ANJ | HEURE | SOUS-ID | REL. UNITS | CO3 MG/L | CACO3 MG/L | HCO3 MG/L | CACO3 MG/L | CA MG/L | MG MG/L | CACO3 MG/L |
| 81-08-07 | 1200 | 487 | -- | 0 | 0.0 | 14 | 11.4 08L | 2.45 | 1.6 | 12.5 |

| DATE | TIME / SUB-ID/ | | 10401L RESIDUE NONFILTR. | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) | 11103L SODIUM DISSOLVED | 19103L POTASSIUM DISSOLVED | 17206L CHLORIDE DISSOLVED | 09105L FLUORIDE DISSOLVED | 16306L SULPHATE DISSOLVED | 14105L SILICA REACTIVE |
|---|---|---|---|---|---|---|---|---|---|---|
| YRD/ANJ | HEURE | SOUS-ID | MG/L | MG/L | NA MG/L | K MG/L | CL MG/L | F MG/L | SO4 MG/L | SIO2 MG/L |
| 81-08-07 | 1200 | 487 | -- | -- | 4.0 | 4 | 8.0 03L | -- | 3 | -- |

| DATE | TIME / SUB-ID/ | | 06152L CARBON DISSOLVED INORGANIC | 06104L CARBON DISSOLVED ORGANIC | 08902L CARBON ORGANIC PARTICUL. | 07110L NITROGEN DISSOLVED NO3 & NO2 | 07851L NITROGEN DISSOLVED | 07902L NITROGEN PARTICUL. | 07603L NITROGEN TOTAL (CALCD.) | 15103L PHOSPHORUS TOTAL DISSOLVED |
|---|---|---|---|---|---|---|---|---|---|---|
| YRD/ANJ | HEURE | SOUS-ID | C MG/L | C MG/L | C MG/L | N MG/L | N MG/L | N MG/L | N MG/L | P MG/L |
| 81-08-07 | 1200 | 487 | -- | -- | -- | 02 12L | -- | -- | -- | -- |

| DATE | TIME / SUB-ID/ | | 15406L PHOSPHORUS TOTAL | 15001L PHOSPHORUS PARTICULATE (CALCD.) | 05105L BORON DISSOLVED | 33104L ARSENIC DISSOLVED | 34102L SELENIUM DISSOLVED | 25304P MANGANESE EXTRBLE. | 25104L MANGANESE DISSOLVED | 26304P IRON EXTRBLE. |
|---|---|---|---|---|---|---|---|---|---|---|
| YRD/ANJ | HEURE | SOUS-ID | P MG/L | P MG/L | B MG/L | AS MG/L | SE MG/L | MN MG/L | MN MG/L | FE MG/L |
| 81-08-07 | 1200 | 487 | 017 13L | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME / SUB-ID/ | | 07010L NITROGEN TOTAL KJELDAHL N | 10116L ALKALINITY TOTAL UNFILT CACO3 | 07505L NITROGEN TOTAL AMMONIA N | 97251S DEPTH OF SAMPLING FROM SURF. M | 97261S DEPTH OF SAMPLING FROM BOTTOM M |
|---|---|---|---|---|---|---|---|
| YRD/ANJ | HEURE | SOUS-ID | MG/L | MG/L | MG/L | | |
| 81-08-07 | 1200 | 487 | 704 | -- | 032 | -- | -- |

FOOTNOTE L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

# DETAILED WATER QUALITY DATA 1980-1981
## NORTHWEST TERRITORIES

STATION - 01NW10TC0031 "BASIN LAKE" (SMALL) PIM ISLAND, ELLESMERE ISLAND, N.W.T. ELEV. 330 M ASL.
NTS MAP 39F + 39E 1/250,000
LAT. 78D 43M 33S LONG. 74D 30M 0S
ABOUT 12KM N. OF REF STN 30NW10TC0015

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG.C | 02061L TEMP. WATER DEG.C | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-08 | 1200 | 487 | -- | 20.0 | -- | 55. | 5.9 | 6.3 | .3 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-08 | 1200 | 487 | 5 | 0 | 0.0 | 6. | 5.0 | 1.90 | 1.2 | 9.7 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-08 | 1200 | 487 | -- | -- | 4.6 | .5 | 8.6 | -- | 4 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-08 | 1200 | 487 | -- | -- | -- | -- | 11 | -- | -- | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-08 | 1200 | 487 | 120 | -- | -- | -- | -- | -- | -- | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT    G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION    G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 01NW10TC0002 — LAT. 78D 42M 42S LONG. 76D 22M 17S
"HIGH LAKE" (SMALL) PIM ISLAND, ELLESMERE ISLAND, N.W.T. — ABOUT 12KM NE OF REF STN 30NW10TC0015
ELEV. 470 M ASL. — NTS MAP 39F - 39E 1/250,000

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C. | 02061L TEMP. WATER DEG. C. | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-06 | 1200 | 487 | -- | 20.0 | -- | 100 | 4.1 | 6.7 | .4 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-06 | 1200 | 487 | 5 | 0 | 0.0 | 11 | 9.0 | 3.60 | 1.7 | 16.0 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-06 | 1200 | 487 | -- | -- | 5.5 | .5 | 9.4 | -- | 12. | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-06 | 1200 | 487 | -- | -- | -- | -- | .16 | -- | -- | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-06 | 1200 | 487 | 007 | -- | -- | -- | -- | -- | -- | -- |

FOOTNOTE L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 01NW10TC0033 LAT 78D 42M 18S LONG. 74D 31M 05S
SMALL LAKE, SE SIDE OF PIM ISLAND, ELLESMERE ISLAND, N.W.T. 11.5KM NNE OF REF STN 30NW10TC0015
ELEV 260 M ASL NTS MAP 39F & 39E 1/250,000

| DATE YRD/ANJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG C. | 02061L TEMP. WATER DEG C. | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-08-09 | 1200 | 487 | -- | 19.1 | -- | 47 | -- | 6.4 | 2.0 | 5. |
| | 1205 | 487 | -- | 19.1 | -- | 48 | -- | 6.7 | 14.0 | 40 |
| 80-08-18 | 1200 | 487 | -- | 19.1 | -- | 43 | -- | 6.4 | 2.0 | 5 |
| 81-08-06 | 1200 | 487 | -- | 20.0 | -- | 48 | 6.3 | 6.3 | 6 | -- |

| DATE YRD/ANJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-08-09 | 1200 | 487 | -- | -- | 0.0 | -- | -- | 1.10 | 9 | 6.5 |
| | 1205 | 487 | -- | -- | 0.0 | -- | -- | 1.10 | 1.8 | 10.2 |
| 80-08-18 | 1200 | 487 | -- | -- | 0.0 | -- | -- | .90 | 1.0 | 6.4 |
| 81-08-06 | 1200 | 487 | 5 | 0 | 0.0 | 4 | 3.0 | 1.00 | 1 | 2.9 |

| DATE YRD/ANJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-08-09 | 1200 | 487 | -- | -- | 5.0 | .8 | 10.2 03L | -- | 2 | 3.02L |
| | 1205 | 487 | -- | -- | 4.2 | .5 | 9.2 03L | -- | 3. | 1.6 02L |
| 80-08-18 | 1200 | 487 | -- | -- | 4.6 | .6 | 9.8 03L | -- | 2 | 3.02L |
| 81-08-06 | 1200 | 487 | -- | -- | 4.4 | .6 | 7.8 | -- | 2 | -- |

| DATE YRD/ANJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-08-09 | 1200 | 487 | -- | 9 | -- | 01 12L | -- | -- | -- | -- |
| | 1205 | 487 | -- | 1.3 | -- | 17 12L | -- | -- | -- | -- |
| 80-08-18 | 1200 | 487 | -- | 6 | -- | 01 12L | -- | -- | -- | -- |
| 81-08-06 | 1200 | 487 | -- | -- | -- | -- | 13 | -- | -- | -- |

| DATE YRD/ANJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-08-06 | 1200 | 487 | .013 | -- | -- | -- | -- | -- | -- | -- |

| DATE YRD/ANJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 07010L NITROGEN TOTAL KJELDAHL N MG/L | 10116L ALKALINITY TOTAL UNFILT CACO3 MG/L | 07505L NITROGEN TOTAL AMMONIA N MG/L | 97251S DEPTH OF SAMPLING FROM SURF. M | 97261S DEPTH OF SAMPLING FROM BOTTOM M |
|---|---|---|---|---|---|---|---|
| 80-08-09 | 1200 | 487 | .664 | 7.0 | -- | -- | -- |
| | 1205 | 487 | .371 | 7.0 | -- | -- | 0.0 |
| 80-08-18 | 1200 | 487 | .348 | 6.0 | -- | -- | -- |

FOOTNOTE L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 01NN10TC0042 LAT 79D 2M 3S LONG 78D 48M 36S
"CHANNEL LAKE" SW OF BEITSTAD FIORD, ELLESMERE ISLAND, N.W.T. ABOUT 103KM NW OF REF STN 30NN10TC0015
ELEV. 200 M ASL NTS MAP 39G 1/250,000

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG.C | 02061L TEMP. WATER DEG.C. | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-08-13 | 1200 | 467 | -- | 19.1 | -- | 143. | -- | 7.0 | 2.0 | 5 |
| | 1205 | 467 | -- | 19.1 | -- | 137 | -- | 7.3 | 2.7 | 5 |
| | 1210 | 467 | -- | 19.1 | -- | 190 | -- | 7.5 | 5.9 | 10 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-08-13 | 1200 | 467 | -- | -- | 0.0 | -- | -- | 12.60 | 5.2 | 52.9 |
| | 1205 | 467 | -- | -- | 0.0 | -- | -- | 11.50 | 4.7 | 48.1 |
| | 1210 | 467 | -- | -- | 0.0 | -- | -- | 18.30 | 8.3 | 79.9 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-08-13 | 1200 | 467 | -- | -- | 3.4 | 2.8 | 4.6 03L | -- | 35 | 3.9 02L |
| | 1205 | 467 | -- | -- | 3.5 | 2.5 | 5.3 03L | -- | 31 | 4.0 02L |
| | 1210 | 467 | -- | -- | 8.2 | 2.8 | 3.9 03L | -- | 6 | 26.7 02L |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 80-08-13 | 1200 | 467 | -- | 2.5 | -- | 00 12L | -- | -- | -- | -- |
| | 1205 | 467 | -- | 2.6 | -- | 00 12L | -- | -- | -- | -- |
| | 1210 | 467 | -- | 6.1 | -- | 53 12L | -- | -- | -- | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 07010L NITROGEN TOTAL KJELDAHL N MG/L | 10116L ALKALINITY TOTAL UNFILT CACO3 MG/L | 07505L NITROGEN TOTAL AMMONIA N MG/L | 97251S DEPTH OF SAMPLING FROM SURF. M | 97261S DEPTH OF SAMPLING FROM BOTTOM M |
|---|---|---|---|---|---|---|---|
| 80-08-13 | 1200 | 467 | 885 | 29.0 | -- | -- | -- |
| | 1205 | 467 | 992 | 25.0 | -- | -- | -- |
| | 1210 | 467 | 604 | 96.0 | -- | -- | 0.0 . |

FOOTNOTE L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 60MN10TC0006 LAT 78D 42M 34S LONG 74D 43M 05
POND (SMALL), WEST OF RICE STRAIT N OFCAPE HERSCHEL, ELLESMERE ISLAND, N.W.TABOUT 10 KM N OF REF STN 30MN10TC0015
ELEV 110 M ASL NTS MAP 39F&39E 1/250,000

| DATE YR/MO/DA | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG.C | 02061L TEMP. WATER DEG.C. | 02041F SPECIFIC CONDUCT. USTE/CM | 02041L SPECIFIC CONDUCT. USTE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-08-17 | 1200 | 467 | -- | 20.0 | -- | 42. | 6.6 | 6.4 | .7 | -- |

| DATE YR/MO/DA | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-08-17 | 1200 | 467 | 5. | 0. | 0.0 | 5. | 4.0 | 1.10 | 1.1 | 7.3 |

| DATE YR/MO/DA | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-08-17 | 1200 | 467 | -- | -- | 4 | 4 | 3.7 | -- | 2. | -- |

FOOTNOTE L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - **OWW10TCC018** LAT. 78D 38M 9S LONG. 74D 42M 50S
POND (LARGE) ON SOUTH SIDE OF ROSSE BAY (CAPE HERSCHEL) ELLESMERE ISLAND, N.W.T.
ELEV. 3 M ASL. NTS MAP 39F&39E 1/250,000

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C. | 02061L TEMP. WATER DEG. C. | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-12 | 1200 | 467 | -- | 20.0 | -- | 190. | 9.1 | 7.0 | 1.0 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-12 | 1200 | 467 | -- | 0. | 0.0 | 60. | 49.0 | 10.30 | 7.0 | 54.5 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-12 | 1200 | 467 | -- | -- | 14.0 | 1.3 | 22.0 | -- | 2. | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 04NN10TC0020 LAT. 79D 6M 29S LONG 76D 11M 6S
POND ON NORTHEAST KNUD PENINSULA, (FLAGLER BAY) ELLESMERE ISLAND, N.W.T. ABOUT 65KM NNW OF REF STN 30NN10TC0015
ELEV. 8 M ASL. NTS MAP 39G 1/250,000

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG.C | 02061L TEMP. WATER DEG.C | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-05 | 1200 | 467 | -- | 20.0 | -- | 675 | 8.9 | 7.2 | .4 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-05 | 1200 | 467 | 10 | 0. | 0.0 | 96. | 79.0 | 17.10 | 19.9 | 124.6 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-05 | 1200 | 467 | -- | -- | 80.0 | 4.7 | 135.0 | -- | 32. | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 04NW10TC0023 LAT. 79D 1M 59S LONG. 75D 4M 0S
"CLIFF-EDGE" POND, S. COAST OF BACHE PENINSULA, ELLESMERE ISLAND, N.W.T. ABOUT 47KM N. OF REF STN 30NW10TC0015
ELEV. 370 M ASL. NTS MAP 39H + 29G 1/250,000

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C. | 02061L TEMP. WATER DEG. C. | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-09 | 1200 | 467 | -- | 20.0 | -- | 258. | 7.4 | 8.3 | -- | 15. |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-09 | 1200 | 467 | -- | -- | -- | -- | 135.7 06L | 29.30 | 13.8 | 129.9 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-09 | 1200 | 467 | -- | -- | 2.8 | .6 | 5.4 03L | -- | 1. | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-09 | 1200 | 467 | -- | -- | -- | L.01 12L | -- | -- | -- | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-09 | 1200 | 467 | .018 13L | -- | -- | -- | -- | -- | -- | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 07010L NITROGEN TOTAL KJELDAHL N MG/L | 10116L ALKALINITY TOTAL UNFILT CACO3 MG/L | 07505L NITROGEN TOTAL AMMONIA N MG/L | 97251S DEPTH OF SAMPLING FROM SURF. M | 97261S DEPTH OF SAMPLING FROM BOTTOM M |
|---|---|---|---|---|---|---|---|
| 81-06-09 | 1200 | 467 | 1.330 | -- | .170 | -- | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 04MM10TC0024 LAT. 79D 2M 10S LONG. 77D 28M 50S
PLATEAU POND, NAUD PENINSULA N. OF HAAISLAND, ELLESMERE ISLAND, N.W.T. ABOUT 77KM NW OF REF STN 20MM10TC0015
ELEV. 665 M ASL NTS MAP 39G 1/250,000

| DATE YRD/MNJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG.C | 02061L TEMP. WATER DEG.C | 02041F SPECIFIC CONDUCT. US/E/CM | 02041L SPECIFIC CONDUCT. US/E/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 03073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-11 | 1200 | 487 | -- | 20.0 | -- | 48. | 7.0 | 7.6 | -- | L5. |

| DATE YRD/MNJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10802L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-11 | 1200 | 487 | -- | 0 | 0.0 | 27. | 21.8 06L | 3.18 | 1.7 | 15.0 |

| DATE YRD/MNJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-11 | 1200 | 487 | -- | -- | 1.1 | .9 | 2.1 03L | -- | 1. | -- |

| DATE YRD/MNJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07051L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-11 | 1200 | 487 | -- | -- | -- | L.01 12L | -- | -- | -- | -- |

| DATE YRD/MNJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15801L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-11 | 1200 | 487 | .041 13L | -- | -- | -- | -- | -- | -- | -- |

| DATE YRD/MNJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 07010L NITROGEN TOTAL KJELDAHL N MG/L | 10116L ALKALINITY TOTAL UNFILT CACO3 MG/L | 07505L NITROGEN TOTAL AMMONIA N MG/L | 97251S DEPTH OF SAMPLING FROM SURF. M | 97261S DEPTH OF SAMPLING FROM BOTTOM M |
|---|---|---|---|---|---|---|---|
| 81-06-11 | 1200 | 487 | 2.630 | -- | .720 | -- | -- |

FOOTNOTE. L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

STATION - 00NW10TC0025 LAT. 78D 57M 54S LONG. 75D 43M 05
POND AT DIGARMULEN POINT, THORVALD PENINSULA, ELLESMERE ISLAND, N.W.T. ABOUT 4GKM NE OF REF STN 30NW10TC0015
ELEV. 160 M ASL NTS MAP 39F - 39E 1/250,000

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG.C | 02061L TEMP. WATER DEG.C | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-11 | 1200 | 487 | -- | 20.0 | -- | 31 | 6.3 | 6.6 | -- | 15. |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-11 | 1200 | 487 | -- | 0. | 0.0 | 11. | 8.8 06L | 1.49 | .8 | 7.2 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-11 | 1200 | 487 | -- | -- | 1.2 | .6 | 1.9 03L | -- | 6 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06002L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-11 | 1200 | 487 | -- | -- | -- | .24 12L | -- | -- | -- | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-11 | 1200 | 487 | .018 13L | -- | -- | -- | -- | -- | -- | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 07010L NITROGEN TOTAL KJELDAHL N MG/L | 10116L ALKALINITY TOTAL UNFILT CACO3 MG/L | 07505L NITROGEN TOTAL AMMONIA N MG/L | 97251S DEPTH OF SAMPLING FROM SURF. M | 97261S DEPTH OF SAMPLING FROM BOTTOM M |
|---|---|---|---|---|---|---|---|
| 81-06-11 | 1200 | 487 | .619 | -- | .014 | -- | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

# DETAILED WATER QUALITY DATA 1980-1981
## NORTHWEST TERRITORIES

STATION - 04NW10TC0026
POND, SKRAELING ISLAND,
ELEV. 75 M ASL

ELLESMERE ISLAND, N.W.T.
NTS MAP 39F + 39E 1/250,000

LAT 78D 54M 20S LONG 75D 30M 30S
ABOUT 39KM NNW OF ALF STN 30NW10TC0015

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG.C | 02061L TEMP. WATER DEG.C | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-08-16 | 1200 | 487 | -- | 20.0 | -- | 132 | 6.3 | 6.5 | -- | 15 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-08-16 | 1200 | 487 | -- | 0 | 0.0 | 11 | 0.0 06L | 6.77 | 5.2 | 38.3 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-08-16 | 1200 | 487 | -- | -- | 4.4 | 2.1 | 5.6 03L | -- | 39 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06902L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-08-16 | 1200 | 487 | -- | -- | -- | L.01 12L | -- | -- | -- | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-08-16 | 1200 | 487 | .008 13L | -- | -- | -- | -- | -- | -- | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 07010L NITROGEN TOTAL KJELDAHL N MG/L | 10116L ALKALINITY TOTAL UNFILT CACO3 MG/L | 07505L NITROGEN TOTAL AMMONIA N MG/L | 97251S DEPTH OF SAMPLING FROM SURF. M | 97261S DEPTH OF SAMPLING FROM BOTTOM M |
|---|---|---|---|---|---|---|---|
| 81-08-16 | 1200 | 487 | .917 | -- | .080 | -- | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 06MN10TC0027 LAT 79D 50M 12S LONG 75D 10M 0S
"KETTLE" POND (SMALL) NW OF SABINE GL., JOHAN PENN., ELLESMERE ISLAND, N.W.T. ABOUT 27KM NNW OF REF STN 30MN10TC0015
ELEV. 325 M ASL NTS MAP 39F - 39E 1/250,000

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG C | 02061L TEMP WATER DEG C | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-10 | 1200 | 487 | -- | 20.0 | -- | 16 | 6.1 | 6.8 | -- | 15. |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-10 | 1200 | 487 | -- | 0 | 0.0 | 7 | 5.5 06L | .57 | .3 | 2.6 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-10 | 1200 | 487 | -- | -- | .8 | .3 | 0.7 03L | -- | 3. | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 06152L CARBON DISSOLVED INORGANIC C MG/L | 06104L CARBON DISSOLVED ORGANIC C MG/L | 06002L CARBON ORGANIC PARTICUL. C MG/L | 07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L | 07651L NITROGEN DISSOLVED N MG/L | 07902L NITROGEN PARTICUL. N MG/L | 07603L NITROGEN TOTAL (CALCD.) N MG/L | 15103L PHOSPHORUS TOTAL DISSOLVED P MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-06-10 | 1200 | 487 | -- | -- | -- | L.01 12L | -- | -- | -- | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 15406L PHOSPHORUS TOTAL P MG/L | 15901L PHOSPHORUS PARTICULATE (CALCD.) P MG/L | 05105L BORON DISSOLVED B MG/L | 33104L ARSENIC DISSOLVED AS MG/L | 34102L SELENIUM DISSOLVED SE MG/L | 25304P MANGANESE EXTRBLE. MN MG/L | 25104L MANGANESE DISSOLVED MN MG/L | 26304P IRON EXTRBLE. FE MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1200 | 487 | .006 13L | -- | -- | -- | -- | -- | -- | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 07010L NITROGEN TOTAL KJELDAHL N MG/L | 10111L ALKALINITY TOTAL UNFILT CACO3 MG/L | 07505L NITROGEN TOTAL AMMONIA N MG/L | 97251S DEPTH OF SAMPLING FROM SURF. M | 97261S DEPTH OF SAMPLING FROM BOTTOM M |
|---|---|---|---|---|---|---|---|
| 81-06-10 | 1200 | 487 | .353 | -- | .057 | -- | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

STATION [illegible]
POND ON PIM ISLAND ON NORTH SLOPING PLATEAU ELLESMERE ISLAND N.W.T. LAT 78D 44M 12S LONG 74D 22M 0S
ELEV 270 M ASL NTS MAP 39F - 39E 1/250 000 ABOUT 17KM NE OF REF STN 30MM10TC0015

| DATE YMD/AMJ | TIME/ HEURE | SUB ID/ SOUS ID | 02061F TEMP WATER DEG C | 02061L TEMP WATER DEG C | 02041F SPECIFIC CONDUCT USIE/CM | 02041L SPECIFIC CONDUCT USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-04 | 1200 | 487 | | 20.0 | | 82 | 8.0 | [illegible] | | 15 |

| DATE YMD/AMJ | TIME/ HEURE | SUB ID/ SOUS ID | 02021L COLOUR TRUE REL UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOLPHTHALEIN CACO3 MG/L | 06201L BICARBONAT (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-04 | 1200 | 487 | | 0 | 0.0 | 41 | 33.3 06L | 8.20 | 3.2 | 33.7 |

| DATE YMD/AMJ | TIME/ HEURE | SUB ID/ SOUS ID | 10401L RESIDUE NONFILTR MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-04 | 1200 | 487 | | | 2.3 | 4 | 4.1 03L | | [illegible] | |

FOOTNOTE L LESS THAN DETECTION LIMIT G GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN L PLUS PETIT QUE LA LIMITE DE DETECTION G PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION 30MM10TC0004 LAT 78D 43M 24S LONG 74D 40M 0S
POND (SMALL) ON N-SIDE (EFFERT GLACIER)IN MORAINE RIDGE ELLESMERE ISLAND NWTABOUT 11KM N OF REF STN 30MM10TC0015
ELEV 50 M ASL NTS MAP 39I - 39L 1/250 000

| DATE YMD/AMJ | TIME/ HEURE | SUB ID/ SOUS ID | 02061F TEMP. WATER DEG C | 02061L TEMP WATER DEG C | 02041F SPECIFIC CONDUCT USIE/CM | 02041L SPECIFIC CONDUCT USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-21 | 1200 | 487 | | 20.0 | | 75 | 6.9 | 7.6 | -- | 15 |

| DATE YMD/AMJ | TIME/ HEURE | SUB ID/ SOUS ID | 02021L COLOUR TRUE REL UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONAT (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-21 | 1200 | 487 | | 0 | 0.0 | 17 | 14 C 06L | 4.36 | 2.1 | 19.5 |

| DATE YMD/AMJ | TIME/ HEURE | SUB ID/ SOUS ID | 10401L RESIDUE NONFILTR MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-21 | 1200 | 487 | | | 4.1 | .5 | 8.6 03L | | 5 | |

FOOTNOTE L LESS THAN DETECTION LIMIT G GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN L PLUS PETIT QUE LA LIMITE DE DETECTION G PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - [illegible] LAT 78D 38M 18S LONG 75D 5M 40S
NUNATAK POND, LEFFERT GLACIER, JOHAN PENN., ELLESMERE ISLAND, N.W.T. ABOUT [illegible] OF REF STN [illegible]
ELEV 185 M ASL NTS MAP 39F + 39E 1/250,000

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP WATER DEG C | 02061L TEMP WATER DEG C | 02041F SPECIFIC CONDUCT USIE/CM | 02041L SPECIFIC CONDUCT USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-03 | 1200 | 487 | -- | 20.0 | -- | 6 | 5.5 | 5.9 | -- | L5 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-03 | 1200 | 487 | -- | 0 | 0.0 | 3 | 2.2 06L | 15 | 1 | 8 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-03 | 1200 | 487 | -- | -- | 5 | 0 | L5.03L | -- | 6 | -- |

FOOTNOTE L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

# DETAILED WATER QUALITY DATA 1980-1981
## NORTHWEST TERRITORIES

STATION - [illegible]
MORAINE POND (SMALL) SW-SIDE OF ROSSE BAY, ELLESMERE ISLAND, N.W.T.
ELEV 45 M ASL

LAT 78D 37M 20S LONG 78D 40M 0S
ABOUT 3KM NW OF REF STN 30MW10TC0015
NTS MAP 39F + 39 E 1/250,000

| DATE YRD/ARJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP WATER DEG C | 02061L TEMP WATER DEG C | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-25 | 1200 | 487 | -- | 20.0 | -- | 248 | 8.0 | 7.8 | 6 | -- |

| DATE YRD/ARJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-25 | 1200 | 487 | 10 | 0 | 0.0 | 137 | 112.0 | 29.90 | 9.3 | 113.0 |

| DATE YRD/ARJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-25 | 1200 | 487 | -- | -- | 9.5 | 5 | 13.0 | - | 5 | -- |

FOOTNOTE L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 30MM101C0037 LAT 78D 38M 51S LONG 74D 48M 25S
POND (VERY SMALL) IN LATERAL MORAINE, SW SIDE, ROSSE BAY, ELLESMERE IS 4KM ABOUT 5KM NW OF REF STN 30MM101C0015
ELEV 175 M ASL NTS MAP 39F - 39 E 1/250,000

| DATE YRD/MMJ | TIME/ HEURE | SUB ID/ SOUS ID | 02061F TEMP. WATER DEG C | 02061L TEMP. WATER DEG C | 02041F SPECIFIC CONDUCT USIE/CM | 02041L SPECIFIC CONDUCT USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-28 | 1200 | 487 | -- | 20 0 | -- | 75 | 6 4 | 6 2 | -- | 10 |

| DATE YRD/MMJ | TIME/ HEURE | SUB ID/ SOUS ID | 02021L COLOUR TRUE REL UNITS | 06301L CARBONATE (CALCD ) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT (CALCD ) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-28 | 1200 | 487 | | 0 | 0 0 | 6 | 4 6 06L | 2 03 | 1 4 | 11 0 |

| DATE YRD/MMJ | TIME/ HEURE | SUB ID/ SOUS ID | 10401L RESIDUE NONFILTR MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-28 | 1200 | 487 | -- | -- | 8 1 | 4 | 18 0 03L | -- | 3 | -- |

FOOTNOTE L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTE2 BIEN L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 49MM10TC0038 LAT 78D 38M 43S LONG 74D 43M 37S
SMALL POND (IN GRANITE), CAPE HERSCHEL, ELLESMERE ISLAND, N.W.T. ABOUT 1.4KM NW OF REF STN 30MM10TC0015
ELEV. 40 M ASL NTS MAP 39F - 39E 1/250,000

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG C | 02061L TEMP. WATER DEG C | 02041F SPECIFIC CONDUCT. US/CM | 02041L SPECIFIC CONDUCT. US/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-14 | 1200 | 487 | -- | 20.0 | -- | 287 | 8.3 | 8.0 | -- | 5 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-14 | 1200 | 487 | -- | 0 | 0.0 | 146 | 120 1 06L | 28.10 | 11.5 | 117.4 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-14 | 1200 | 487 | -- | -- | 13.3 | 7 | 19 2 03L | -- | 4 | -- |

FOOTNOTE L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 08MM10TC0039 LAT 78D 36M 6S LONG 74D 45M 59S
POND (SMALL) IN VALLEY WEST OF ELLISON LAKE ELLESMERE ISLAND N W T ABOUT 0 5KM WEST OF STN 01MM10TC0017
ELEV 130 M ASL NTS MAP 39F + 39E 1/250 000

| DATE YRD/ANJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP WATER DEG C | 02061L TEMP WATER DEG C | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-26 | 1200 | 467 | -- | 20 0 | -- | 25 | 6 4 | 6 9 | 2 | -- |

| DATE YRD/ANJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-26 | 1200 | 467 | 5 | 0 | 0 0 | 2 | 2 0 | 1 30 | 1 0 | 7 4 |

| DATE YRD/ANJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-26 | 1200 | 467 | -- | -- | 1 7 | 4 1 | 3 6 | -- | 1 | -- |

FOOTNOTE L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 49MH10TC0060
SNOWBANK POND (SMALL) CAPE HERSCHEL PLATEAU, ELLESMERE ISLAND, N W T LAT 78D 39M 22S LONG 74D 38M 48S
ELEV 245 M ASL NTS MAP 39F - 39E 1/250,000 ABOUT 1KM SE OF REF STN 39MH10TC0015

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG C | 02061L TEMP WATER DEG C | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-07 | 1200 | 487 | -- | 20 0 | -- | 129 | 7 7 | 7 4 | 3 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-07 | 1200 | 487 | 5 | 0 | 0 0 | 52 | 43 0 | 10 50 | 6 4 | 52 6 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-07 | 1200 | 487 | -- | -- | 4 8 | 4 | 10 0 | -- | 3 | -- |

FOOTNOTE L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - 04HN10TC0041 LAT 78D 34M 54S LONG 74D 38M 6S
POND (SMALL) EASTERN CAPE HERSCHEL PLATEAU, ELLESMERE ISLAND, N W T ABOUT 8KM SSE OF REF STN 30HN10TC0015
ELEV 215 M ASL NTS MAP 39F + 39E 1/250,000

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP WATER DEG C | 02061L TEMP WATER DEG C | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPAREMT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-22 | 1200 | 467 | -- | 20.0 | -- | 121. | 7.6 | 7.3 | -- | 15. |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-22 | 1200 | 467 | -- | 0. | 0.0 | 38. | 31.5 06L | 7.79 | 4.6 | 38.4 |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-07-22 | 1200 | 467 | -- | -- | 6.2 | .4 | 17.4 03L | -- | 3 | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

DETAILED WATER QUALITY DATA 1980-1981
NORTHWEST TERRITORIES

STATION - **04NM10TC0043** LAT. 78D 43M 49S LONG. 78D 27M 44S
NUNATAK POND, STYGGE GLACIER, ELLESMERE ISLAND, N.W.T. ABOUT 85KM W OF REF STN 30NM10TC0015
ELEV. 335 M ASL. NTS MAP 39F + 39E 1

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02061F TEMP. WATER DEG. C. | 02061L TEMP. WATER DEG. C. | 02041F SPECIFIC CONDUCT. USIE/CM | 02041L SPECIFIC CONDUCT. USIE/CM | 10301F PH PH UNITS | 10301L PH PH UNITS | 02073L TURBIDITY JTU | 02011L COLOUR APPARENT REL. UNITS |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-05-29 | 1200 | 467 | -- | 20.0 | -- | 121. | 7.7 | 7.4 | -- | 15. |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 02021L COLOUR TRUE REL. UNITS | 06301L CARBONATE (CALCD.) CO3 MG/L | 10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L | 06201L BICARBONT. (CALCD.) HCO3 MG/L | 10101L ALKALINITY TOTAL CACO3 MG/L | 20103L CALCIUM DISSOLVED CA MG/L | 12102L MAGNESIUM DISSOLVED MG MG/L | 10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-05-29 | 1200 | 467 | -- | -- | 0.0 | -- | 28.8 06L | 4.55 | 5.2 | -- |

| DATE YMD/AMJ | TIME/ HEURE | SUB-ID/ SOUS-ID | 10401L RESIDUE NONFILTR. MG/L | 00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L | 11103L SODIUM DISSOLVED NA MG/L | 19103L POTASSIUM DISSOLVED K MG/L | 17206L CHLORIDE DISSOLVED CL MG/L | 09105L FLUORIDE DISSOLVED F MG/L | 16306L SULPHATE DISSOLVED SO4 MG/L | 14105L SILICA REACTIVE SIO2 MG/L |
|---|---|---|---|---|---|---|---|---|---|---|
| 81-05-29 | 1200 | 467 | -- | -- | 9.1 | 2.5 | 12.6 03L | -- | 17. | -- |

FOOTNOTE: L - LESS THAN DETECTION LIMIT G - GREATER THAN MEASUREMENT LIMIT
NOTEZ BIEN: L - PLUS PETIT QUE LA LIMITE DE DETECTION G - PLUS GRAND QUE LA LIMITE MESURE

# Alphabetical Station Index
# Index alphabétique des stations

| Location Description | Station Number<br>Station Parameters | Latitude<br>° | ' | " | Longitude<br>° | ' | " | Page | Map Number |
|---|---|---|---|---|---|---|---|---|---|
| 'BASIN LAKE' (SMALL) PIM ISLAND, ELLESMERE ISLAND, N.W.T.<br>ABOUT 12KM N. OF REF STN 30NW10TC0015<br>ELEV. 330 M ASL.<br>NTS MAP 39F & 39E 1:250 000 | 01NW10TC0031 | 78 | 43 | 25 | 74 | 36 | 0 | 60 | 21 |
| 'CHANNEL LAKE' SW OF BEITSTAD FIORD, ELLESMERE ISLAND, N.W.T.<br>ABOUT 103KM NW OF REF STN 30NW10TC0015<br>ELEV. 200 M ASL.<br>NTS MAP 39G 1:250 000 | 01NW10TC0042 | 79 | 2 | 50 | 78 | 50 | 0 | 63 | 22 |
| 'CLIFF-EDGE' POND, S. COAST OF BACHE PENINSULA, ELLESMERE ISLAND, N.W.T.<br>ABOUT 47KM N. OF REF STN 30NW10TC0015<br>ELEV. 370 M ASL.<br>NTS MAP 39H & 29G 1:250 000 | 04NW10TC0023 | 79 | 2 | 0 | 75 | 4 | 0 | 67 | 23 |
| 'HIGH LAKE' (SMALL) PIM ISLAND, ELLESMERE ISLAND, N.W.T.<br>ABOUT 12KM NE OF REF STN 30NW10TC0015<br>ELEV. 470 M ASL.<br>NTS MAP 39F & 39E 1:250 000 | 01NW10TC0032 | 78 | 41 | 55 | 74 | 22 | 15 | 61 | 24 |
| 'KETTLE' POND (SMALL) NW OF SAATE GL., JOHAN PENN., ELLESMERE ISLAND, N.W.T.<br>ABOUT 27KM NNW OF REF STN 30NW10TC0015<br>ELEV. 325 M ASL.<br>NTS MAP 39F & 39E 1:250 000 | 04NW10TC0027 | 78 | 50 | 10 | 75 | 10 | 0 | 71 | 25 |
| 'WEST LAKE', WESTERN PIM ISLAND, ELLESMERE ISLAND, N.W.T.<br>ABOUT 14KM N. OF REF STN 30NW10TC0015<br>ELEV. 315 M ASL.<br>NTS MAP 39F &39E 1:250 000 | 01NW10TC0030 | 78 | 44 | 20 | 74 | 38 | 0 | 59 | 26 |
| ANDERSON RIVER BELOW CARNWATH RIVER, NORTHWEST TERRITORIES | 00NW10NC0001<br>97908001 | 68 | 38 | 0 | 128 | 24 | 30 | 39 | 1 |
| BACK RIVER BELOW DEEP ROSE LAKE, NORTHWEST TERRITORIES | 00NW10RC0001<br>97908001 | 66 | 5 | | 96 | 30 | | 47 | 2 |
| BAKER LAKE 1 MILE FROM BAKER LAKE SETTLEMENT, NORTHWEST TERRITORIES | 01NW06MA0001<br>97908001 | 64 | 19 | 10 | 96 | 1 | 50 | 49 | 3 |
| CAMSELL RIVER AT OUTLET OF CLUT LAKE, NORTHWEST TERRITORIES | 00NW10JA0001<br>97908002 | 65 | 36 | 0 | 117 | 45 | 30 | 24 | 4 |
| COPPERMINE RIVER AT OUTLET OF POINT LAKE, NORTHWEST TERRITORIES | 00NW10PB0001<br>97908001 | 65 | 25 | 0 | 114 | 0 | 30 | 41 | 5 |
| ELLICE RIVER NEAR MOUTH, NORTHWEST TERRITORIES | 00NW10QD0001<br>97908001 | 67 | 42 | 30 | 104 | 8 | 30 | 45 | 6 |

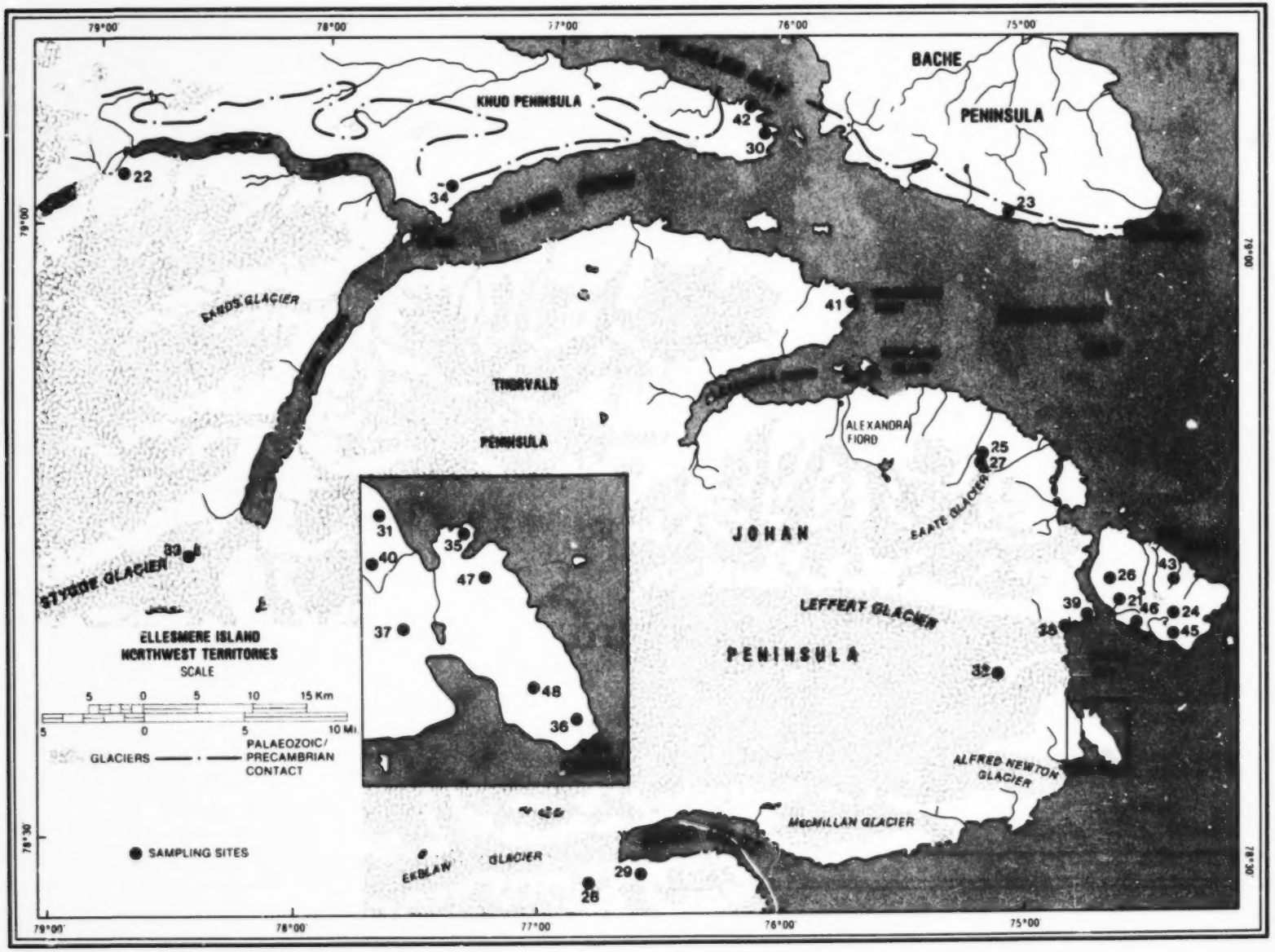
| Location Description | Station Number<br>Station Parameters | Latitude<br>° ' " | Longitude<br>° ' " | Page | Map Number |
|---|---|---|---|---|---|
| FLAT RIVER NEAR MOUTH,<br>NORTHWEST TERRITORIES | 00NW10EA0004<br>979005003 | 61 32 0 | 125 24 21 | 17 | 7 |
| GREAT BEAR RIVER AT OUTLET OF GREAT BEAR LAKE NEAR FORT FRANKLIN,<br>NORTHWEST TERRITORIES | 00NW10JC0001<br>979005003 | 65 8 0 | 123 31 0 | 26 | 8 |
| HAY RIVER NEAR HAY RIVER<br>NORTHWEST TERRITORIES | 00NW07OB0001<br>979005001 | 60 44 45 | 115 51 20 | 13 | 9 |
| ICE DAMMED LAKE ON NW SIDE OF SAATE GLACIER, JOHAN PENN. ELLESMERE IS. NWT<br>ABOUT 26KM NNW OF REF STN 30NW10TC0015<br>ELEV 325 M ASL.<br>NTS MAP 39F & 39E 1:250 000 | 01NW10TC0028 | 78 49 50 | 75 10 0 | 58 | 27 |
| KAZAN RIVER ABOVE KAZAN FALLS,<br>NORTHWEST TERRITORIES | 00NW0GLC0001<br>979005001 | 63 39 0 | 95 51 15 | 7 | 10 |
| LAKE IN BEDROCK BASIN ON SOUTH SIDE OF BAIRD INLET, ELLESMERE ISLAND, N.W.T.<br>ABOUT 48KM WSW OF REF STN 30NW10TC0015<br>ELEV. 295 M ASL.<br>NTS MAP 39F&39E 1:250,000 | 01NW10TC0012<br>97001515.5 | 78 29 30 | 76 46 10 | 56 | 28 |
| LAKE IN COL ON SOUTH SIDE OF BAIRD INLET, ELLESMERE ISLAND, N.W.T.<br>ABOUT 43KM WSW OF REF STN 30NW10TC0015<br>ELEV. 300 M ASL.<br>NTS MAP 39F&39E 1:250,000 | 01NW10TC0011<br>9700151.85 | 78 29 30 | 76 31 30 | 55 | 29 |
| LAKE, EASTERN END KNUD PENINSULA,<br>ELLESMERE ISLAND, N.W.T.<br>ABOUT 62KM NNW OF REF STN 30NW10TC0015<br>ELEV. 70 M ASL.<br>NTS MAP 396 1 250 000 | 01NW10TC0021 | 79 6 0 | 76 6 10 | 57 | 30 |
| LIARD RIVER ABOVE FORT SIMPSON,<br>NORTHWEST TERRITORIES | 00NW10ED0002<br>979005002 | 61 44 24 | 121 13 11 | 19 | 11 |
| LOCKHART RIVER BELOW ARTILLERY LAKE,<br>NORTHWEST TERRITORIES | 00NW07RD0001<br>979005001 | 62 53 30 | 108 28 30 | 15 | 12 |
| MACKENZIE RIVER ABOVE ARCTIC RED RIVER<br>NORTHWEST TERRITORIES | 00NW10LA0003 | 67 21 30 | 133 33 30 | 33 | 13 |
| MACKENZIE RIVER AT NORMAN WELLS,<br>NORTHWEST TERRITORIES | 00NW10KA0001<br>979005001 | 65 16 54 | 126 50 57 | 29 | 14 |
| MACKENZIE RIVER NEAR FORT PROVIDENCE,<br>NORTHWEST TERRITORIES | 00NW10FB0001 | 61 15 0 | 118 3 0 | 22 | 15 |

| Location Description | Station Number<br>Station Parameters | Latitude<br>° ' " | Longitude<br>° ' " | Page | Map Number |
|---|---|---|---|---|---|
| MORAINE POND (SMALL) SW-SIDE OF ROSSE BAY, ELLESMERE ISLAND, N.W.T<br>ABOUT 3KM NW OF REF STN 30NW10TC0015<br>ELEV. 45 M ASL.<br>NTS MAP 39F & 39 E 1:250 000 | 04NW10TC0036 | 78 38 6 | 74 48 0 | 75 | 31 |
| NUNATAK POND, LEFFERT GLACIER, JOHAN PENN., ELLESMERE ISLAND, N.W.T.<br>ABOUT 11KM NW OF REF STN 30NW10TC0015<br>ELEV. 165 M ASL.<br>NTS MAP 39F & 39E 1:250 000 | 04NW10TC0035 | 78 39 15 | 75 5 50 | 74 | 32 |
| NUNATAK POND, STYGGE GLACIER, ELLESMERE ISLAND, N.W.T.<br>ABOUT 85KM W OF REF STN 30NW10TC0015<br>ELEV. 335 M ASL.<br>NTS MAP 39F & 39E 1:250 000 | 04NW10TC0043 | 78 44 20 | 78 29 25 | 81 | 33 |
| PEEL RIVER ABOVE FORT MCPHERSON, NORTHWEST TERRITORIES | 00NW10MC0001<br>979005002 | 67 13 15 | 134 56 45 | 37 | 16 |
| PLATEAU POND, KNUD PENINSULA N. OF HAA ISLAND, ELLESMERE ISLAND, N.W.T.<br>ABOUT 77KM NW OF REF STN 30NW10TC0015<br>ELEV. 665 M ASL.<br>NTS MAP 39G 1:250 000 | 04NW10TC0024 | 79 2 10 | 77 27 0 | 68 | 34 |
| POND (LARGE) ON SOUTH SIDE OF ROSSE BAY (CAPE HERSCHEL) ELLESMERE ISLAND, N.W.T.<br>ELEV. 3 M ASL.<br>NTS MAP 39F&39E 1:250,000 | 04NW10TC0018 | 78 37 53 | 74 42 49 | 65 | 35 |
| POND (SMALL) EASTERN CAPE HERSCHEL PLATEAU, ELLESMERE ISLAND, N.W.T.<br>ABOUT 8KM SSE OF REF STN 30NW10TC0015<br>ELEV. 215 M ASL.<br>NTS MAP 39F & 39E 1:250 000 | 04NW10TC0041 | 78 35 33 | 74 36 5 | 80 | 36 |
| POND (SMALL) IN VALLEY WEST OF ELISON LAKE, ELLESMERE ISLAND, N.W.T.<br>ABOUT 0.5KM WEST OF STN 01NW10TC0017<br>ELEV. 130 M ASL.<br>NTS MAP 39F & 39E 1:250 000 | 04NW10TC0039 | 78 36 45 | 74 45 59 | 78 | 37 |
| POND (SMALL) ON N-SIDE LEFFERT GLACIER IN MORAINE RIDGE, ELLESMERE ISLAND NWT<br>ABOUT 11KM N. OF REF STN 30NW10TC0015<br>ELEV. 50 M ASL.<br>NTS MAP 39F & 39E 1:250 000 | 04NW10TC0034 | 78 42 25 | 74 49 0 | 73 | 38 |
| POND (SMALL), WEST OF RICE STRAIT N OF CAPE HERSCHEL, ELLESMERE ISLAND, N.W.T<br>ABOUT 10 KM N OF REF STN 30NW10TC0015<br>ELEV. 110 M ASL.<br>NTS MAP 39F&39E 1:250,000 | 04NW10TC0005<br>9700150.20 | 78 42 35 | 74 43 0 | 64 | 39 |

| Location Description | Station Number<br>Station Parameters | Latitude<br>o | ' | " | Longitude<br>o | ' | " | Page | Map Number |
|---|---|---|---|---|---|---|---|---|---|
| POND (VERY SMALL) IN LATERAL MORAINE, SW SIDE, ROSSE BAY, ELLESMERE IS, NWT<br>ABOUT 5KM NW OF REF STN 30NW10TC0015<br>ELEV 175 M ASL<br>NTS MAP 39F & 39 E 1 250 000 | 04NW10TC0037 | 78 | 37 | 30 | 74 | 48 | 25 | 76 | 40 |
| POND AT DIGARMULEN POINT, THORVALD PENINSULA, ELLESMERE ISLAND, N.W.T.<br>ABOUT 46KM NE OF REF STN 30NW10TC0015<br>ELEV 160 M ASL<br>NTS MAP 39F & 39E 1 250 000 | 04NW10TC0025 | 78 | 57 | 55 | 75 | 43 | 0 | 69 | 41 |
| POND ON NORTHEAST KNUD PENINSULA, (FLAGLER BAY) ELLESMERE ISLAND, N.W.T.<br>ABOUT 65KM NNW OF REF STN 30NW10TC0015<br>ELEV 8 M ASL<br>NTS MAP 39G 1 250.000 | 04NW10TC0020 | 79 | 6 | 30 | 76 | 11 | 5 | 66 | 42 |
| POND, ON PIM ISLAND, ON NORTH-SLOPING PLATEAU, ELLESMERE ISLAND, N.W.T.<br>ABOUT 17KM NE OF REF STN 30NW10TC0015<br>ELEV 270 M ASL<br>NTS MAP 39F & 39E 1 250 000 | 04NW10TC0029 | 78 | 44 | 10 | 74 | 22 | 0 | 72 | 43 |
| POND, SKRAELING ISLAND,<br>ELLESMERE ISLAND, N.W.T.<br>ABOUT 39KM NNW OF REF STN 30NW10TC0015<br>ELEV 75 M ASL<br>NTS MAP 39F & 39E 1 250 000 | 04NW10TC0026 | 78 | 54 | 30 | 75 | 38 | 30 | 70 | 44 |
| PROTEUS LAKE, SE SIDE OF PIM ISLAND,<br>ELLESMERE ISLAND, N.W.T.<br>ABOUT 11KM NNE OF REF STN 30NW10TC0015<br>ELEV 390 M ASL<br>NTS MAP 39F&39E 1 250.000 | 01NW10TC0007<br>97001575<br>9730553 | 78 | 41 | 40 | 74 | 23 | 0 | 54 | 45 |
| QUOICH RIVER NEAR BAKER LAKE,<br>NORTHWEST TERRITORIES | 00NW06MB0001<br>97900501 | 64 | 27 | 30 | 94 | 7 | 10 | 9 | 17 |
| SLAVE RIVER NEAR DELTA, NWT. | 00NW07NC0001 | 61 | 17 | 0 | 113 | 35 | 0 | 11 | 18 |
| SMALL LAKE, SE SIDE OF PIM ISLAND,<br>ELLESMERE ISLAND, N.W.T.<br>11.5 KM NNE OF REF STN 30NW10TC0015<br>ELEV. 260 M ASL.<br>NTS MAP 39F & 39E 1:250 000 | 01NW10TC0033 | 78 | 42 | 20 | 74 | 31 | 0 | 62 | 46 |
| SMALL POND (IN GRANITE), CAPE HERSCHEL<br>ELLESMERE ISLAND, N.W.T.<br>ABOUT 1.4KM NW OF REF STN 30NW10TC0015<br>ELEV. 40 M ASL.<br>NTS MAP 39F & 39E 1:250 000 | 04NW10TC0038 | 78 | 37 | 22 | 74 | 41 | 37 | 77 | 47 |
| SNOWBANK POND (SMALL) CAPE HERSCHEL PLATEAU, ELLESMERE ISLAND, N.W.T.<br>ABOUT 1KM SE OF REF STN 30NW10TC0015<br>ELEV. 245 M ASL.<br>NTS MAP 39F & 39E 1:250 000 | 04NW10TC0040 | 78 | 36 | 1 | 74 | 38 | 47 | 79 | 48 |

| Location Description | Station Number<br>Station Parameters | Latitude<br>° ' " | Longitude<br>° ' " | Page | Map Number |
|---|---|---|---|---|---|
| THELON RIVER ABOVE THELON BLUFFS, NORTHWEST TERRITORIES | 00NW06JC0001<br>97900502 | 64 32 10 | 101 23 50 | 5 | 19 |
| TREE RIVER ABOUT 10 MILES ABOVE MOUTH, NORTHWEST TERRITORIES | 00NW10QA0001<br>97900501 | 67 38 10 | 111 53 30 | 43 | 20 |

Station Map Location
Carte de l'emplacement des stations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BACHE
PENINSULA
KNUD PENINSULA
EARDS GLACIER
TIKHVALD
PENINSULA
ALEXANDRA FIORD
SAATE GLACIER
JOHAN
LEFFEAT GLACIER
PENINSULA
STYGGE GLACIER
ALFRED NEWTON GLACIER
McMILLAN GLACIER
EKBLAW GLACIER
ELLESMERE ISLAND
NORTHWEST TERRITORIES
SCALE
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5 0 5 10 Mi
GLACIERS
PALAEOZOIC/ PRECAMBRIAN CONTACT
SAMPLING SITES
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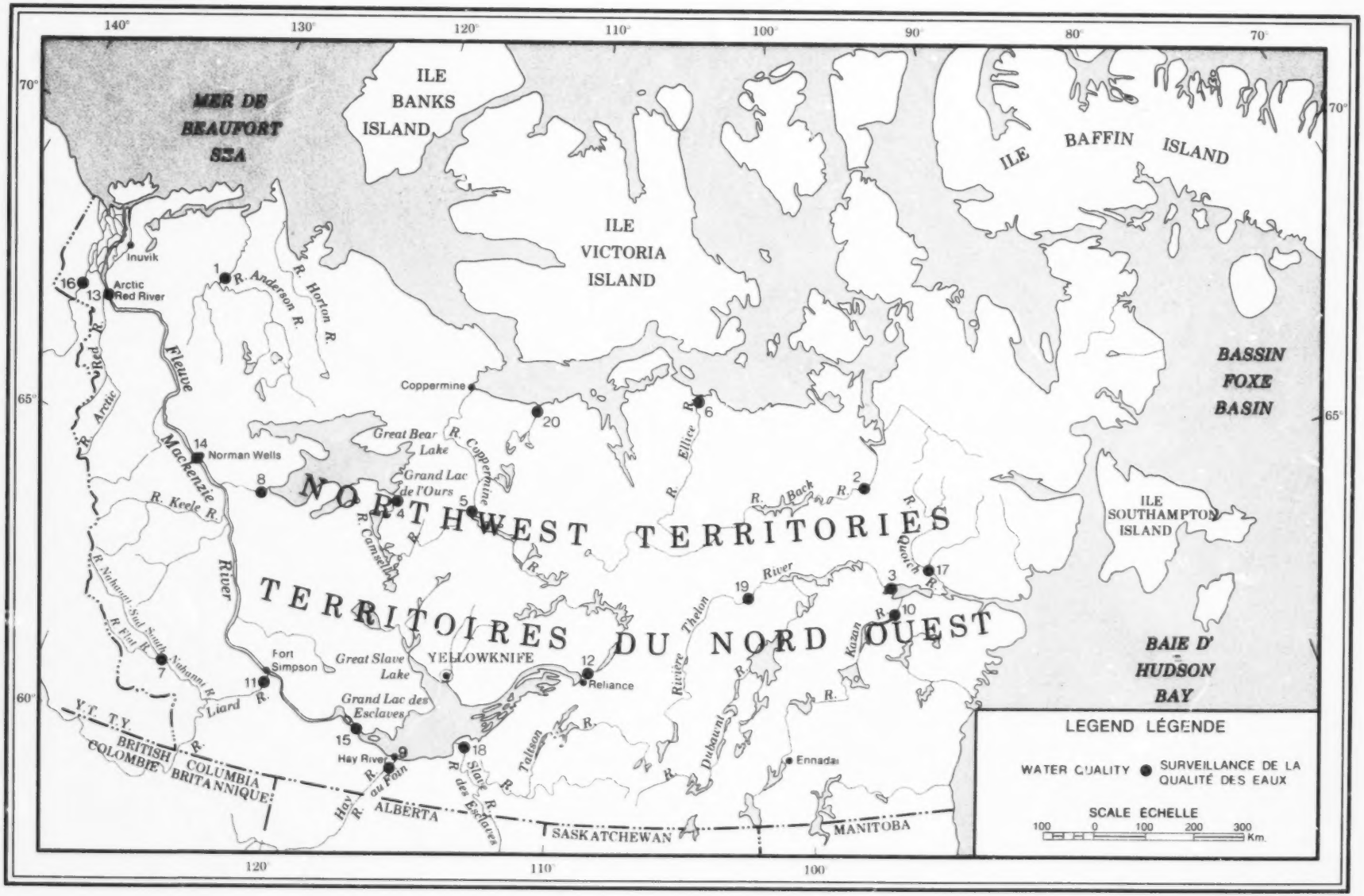


WATER QUALITY BRANCH MONITORING STATIONS 1980-1981
STATIONS DE SURVEILLANCE DE LA DIRECTION DE LA QUALITÉ DES EAUX 1980-1981

INLAND WATERS DIRECTORATE
WESTERN AND NORTHERN REGION
WATER QUALITY BRANCH
YELLOWKNIFE N.W.T. 1984

DIRECTION GENERALE DES EAUX INTERIEURES
RÉGION DE L'OUEST ET DU NORD
DIRECTION DE LA QUALITE DES EAUX
YELLOWKNIFE (T.N.-O.) 1984

Canada

Environment Canada Environnement Canada

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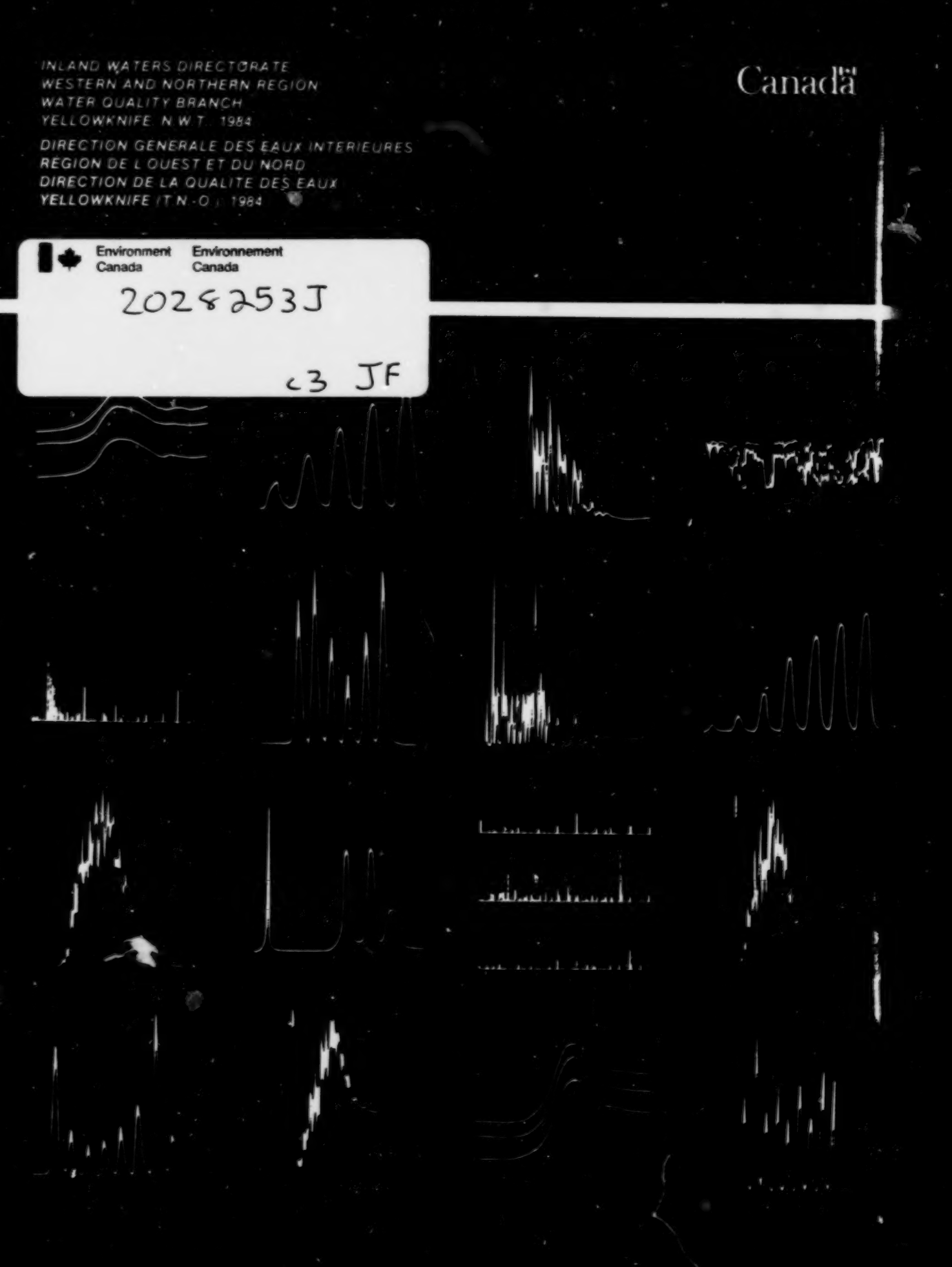

POOR

QUALITY

ORIGINAL